PROPOSALS

For proposals Advertised see the pages immediately following the "Construction News" Section.

WATERWORKS

Bids Close		See Eng. News-Record
Dec. 28	Viroqua, Wis.	Dec. 16
Jan. 10	Hartford, Conn.	Dec. 2

SEWERS

Dec. 21	Joplin, Mo.	Dec. 16
Dec. 22	Brooklyn, N. Y.	Dec. 16
Dec. 22	Detroit, Mich.	Dec. 16
Jan. 5	Lima, O.	Dec. 2
Jan. 5	Mansfield, O.	Dec. 16
Jan. 11	North Branch, Minn	Dec. 9

BRIDGES

Dec. 20	St. Thomas, Nev.	Dec. 9
Dec. 21	Morgan, Ga.	Dec. 2
Dec. 22	Elizabeth, N. J.	Dec. 2
	Adv. Dec. 2 to 16.	
Dec. 23	Detroit, Mich.	Dec. 2
Dec. 23	Milwaukee, Wis.	Dec. 16
Dec. 23	Detroit, Mich.	Dec. 9
Dec. 28	Wayne, Neb.	Dec. 9
Dec. 30	North Carolina	Dec. 16
Jan. 6	Miami, Fla.	Dec. 2
	Adv. Dec. 2 to 16.	
Jan. 7	Jacksonville, Fla.	Dec. 2
Jan. 11	Hamilton, Ont.	Dec. 16
Jan. 17	Burlington, Ia.	Dec. 16
	Adv. Dec. 16.	
Feb. 7	Bainbridge, Ga	Nov. 25
Mar. 1	Ontario	Nov. 4

STREETS AND ROADS

Dec. 20	Boone, Ia.	Dec. 9
Dec. 20	Louisiana	Dec. 9
Dec. 20	Michigan	Dec. 16
Dec. 21	New Mexico	Dec. 2
Dec. 21	Sioux City, Ia.	Dec. 9
Dec. 21	Michigan	Dec. 16
Dec. 21	Oklahoma	Dec. 16
Dec. 21	Oklahoma City, Okla.	Dec. 16
Dec. 21	Corydon, Ia.	Dec. 16
Dec. 22	Sandusky, Mich.	Dec. 9
Dec. 22	Delaware	Dec. 9
	Adv. Dec. 9 and 16.	
Dec. 23	Indiana	Dec. 16
Dec. 29	Leavenworth, Kan.	Dec. 9
Dec. 29	Indiana	Dec. 16
Dec. 30	North Carolina	Dec. 16
Jan. 2	Duluth, Minn.	Oct. 28
Jan. 3	La Junta, Col.	Dec. 9
Jan. 3	Indiana	Dec. 16
Jan. 4	Indiana	Dec. 16
Jan. 5	Colorado Springs, Col.	Oct. 21
Jan. 5	Austin, Minn.	Dec. 16
Jan. 6	Missouri	Dec. 9
Jan. 6	Concordia, Kan.	Dec. 16
Jan. 7	Hutchinson, Kan.	Dec. 16
Jan. 10	Stockton, Kan.	Nov. 18
Jan. 11	Emporia, Kan.	Dec. 16
Jan. 15	Nevada	Dec. 9
Jan. 27	Missouri	Dec. 9
Feb. 1	Pineville, W. Va.	Dec. 16
Mar. 1	Ontario	Dec. 2
Mar. 30	Westboro, Ont.	Nov. 11

EXCAVATION AND DREDGING

Dec. 20	Wapello, Ia.	Dec. 2
Dec. 20	Muscatine, Ia.	Dec. 16
	Adv. Dec. 16.	
Dec. 22	Brooklyn, N. Y.	Dec. 16
Dec. 28	New York, N. Y.	Dec. 16
Dec. 29	Somerville, Tenn.	Dec. 16

Bids Close		See Eng. News-Record

INDUSTRIAL WORKS

Dec. 20	New York, N. Y.	Dec. 16
Dec. 24	New York, N. Y.	Dec. 16

BUILDINGS

Dec. 20	Phila., Pa.	Dec. 9
Dec. 20	Atascadero, Cal.	Dec. 16
Dec. 20	New York, N. Y.	Dec. 16
Dec. 20	Lexington, Ky.	Dec. 16
Dec. 20	Pittsburgh, Pa.	Dec. 16
Dec. 20	Englevale, N. D.	Dec. 9
Dec. 21	Detroit, Mich.	Nov. 25
Dec. 21	Cleveland Heights (Warrensville P. O.), O.	Dec. 2
Dec. 23	Linwood, N. J.	Dec. 16
Dec. 30	Pocahontas, Ia.	Dec. 9
Dec. 31	Eloise, Mich.	Dec. 16
Jan. 1	Marietta, O.	Nov. 25
Jan. 1	Chicago, Ill.	Nov. 18
Jan. 1	Little Rock, Ark.	Nov. 25
Jan. 1	Chicago, Ill.	Nov. 25
Jan. 1	Springfield, Mo.	Dec. 2
Jan. 1	Springfield, Mo.	Dec. 9
Jan. 2	Duluth, Minn.	Oct. 21
Jan. 2	Duluth, Minn.	Nov. 25
Jan. 2	Duluth, Minn.	Oct. 28
Jan. 2	Cortland, N. Y.	Oct. 21
Jan. 2	Hibbing, Minn.	Nov. 4
Jan. 2	Aitkin, Minn.	Nov. 11
Jan. 2	Webster, Wis.	Nov. 11
Jan. 2	Jamestown, N. D.	Dec. 2
Jan. 2	Ft. Collins, Col.	Dec. 9
Jan. 2	Aitkin, Minn.	Dec. 9
Jan. 3	Ft. Meyers, Fla.	Dec. 9
Jan. 3	Pontiac, Mich.	Dec. 9
Jan. 4	Greeley, Col.	Nov. 25
Jan. 4	Emporia, Kan.	Dec. 2
Jan. 4	Union Grove, Wis.	Dec. 2
Jan. 15	Fergus Falls, Minn.	Dec. 9
Jan. 15	Iron Belt, Wis.	Dec. 9
Jan. 15	Prince Frederick, Md.	Dec. 9
Jan. 15	St. Louis, Mo.	Dec. 9
Jan. 17	Spooner, Wis.	Dec. 16
Jan. 19	Buffalo, N. Y.	Dec. 2
	Adv. Dec. 2 to 16.	
Jan. 19	Buffalo, N. Y.	Dec. 9
Jan. 20	Lubbock, Tex.	Dec. 16
Feb. 15	El Paso, Tex.	Dec. 2
Mar. 1	Duluth, Minn.	Dec. 2

FEDERAL GOVERNMENT WORK

Dec. 20	Steel Dump Scows—Louisville, Ky.	Nov. 18
	Adv. Dec. 2 to 16.	
Dec. 20	Refrigeration Building — Columbus, Ga.	Dec. 2
Dec. 21	Conduit, Wiring, etc.—Covington, Ky.	Dec. 9
Dec. 22	Electric Towing Locomotive —Washington, D. C.	Dec. 2
Dec. 22	Dumb Waiter—Wichita, Kan.	Dec. 9
Dec. 22	Electric Distribution System—Spec. 4341—Bar Harbor, Me.	Dec. 9
Dec. 22	Separation of Water Drainage System—Wash., D. C.	Dec. 9
Dec. 22	Earthwork—St. Louis, Mo. Adv. Dec. 9 and 16.	Dec. 9
Dec. 23	Mechanical Equipment — Wash., D. C.	Dec. 9
Dec. 24	Sub-Station for Switchboard Spec. 4308—South Charleston, W. Va.	Dec. 16
Dec. 27	Mailing Vestibule, etc.— Charlotte, N. C.	Dec. 9
Dec. 27	Electric Elevator—Charlotte, N. C	Dec. 9
Dec. 27	Mailing Vestibule, etc. — Kokomo, Ind.	Dec. 9

Bids Close		See Eng News-Record
Dec. 27	Mezzanine Floor—Decatur, Ill.	Dec. 9
Dec. 27	Magnesite Floors—Cincinnati, O.	Dec. 16
Dec. 28	Boiler and Storage House — Woods Hole, Mass.	Dec. 9
Dec. 28	Mailing Vestibule—Corby, Pa.	Dec. 9
Dec. 28	Mezzanine Floor—Charleston, W. Va.	Dec. 9
Dec. 29	Mezzanine Floor—Beloit, Wis.	Dec. 9
Dec. 29	Improving Boiler Plant — Spec. 4252 — Charleston, S. C.	Dec. 9
Dec. 29	Steam Heating System— Norfolk, Va.	Dec. 16
	Adv. Dec. 16.	
Dec. 29	Fire Protection System— Bar Harbor, Me.	Dec. 16
Dec. 29	Sub-station for Switchboard —South Charleston, W. Va.	Dec. 16
Dec. 29	Raising Floors—Brooklyn, N. Y.	Dec. 16
Dec. 31	Steel Dump Scows—Phila., Pa.	Dec. 9
	Adv. Dec. 2 to 16.	
Jan. 3	Hot Water Piping—Phila., Pa.	Dec. 9
Jan. 5	Concrete Roads, etc.—Spec. 4336—Wash., D. C.	Dec. 16
Jan. 7	Dredging—Norfolk, Va.	Dec. 9
Jan. 7	Fire Service Mains —New Orleans, La.	Dec. 16
Jan. 10	Dredging—New Orleans, La.	Dec 9
	Adv. Dec. 9 and 16.	
Jan. 12	Electric Traveling Bridge Crane—Spec. 4326—Puget Sound, Wash.	Dec. 16
Jan. 17	Dredging—New York, N. Y.	Dec. 16
	Adv. Dec. 16.	
Mar. 15	Post Office—Joplin, Mo.	Dec. 9

MISCELLANEOUS

Dec. 20	Pavilions—Randalls Island (New York, P. O.)	Dec. 16
Dec. 20	Station Finish—New York, N. Y.	Dec. 16
Dec. 21	Pavilions—Randalls Island (New York, P. O.), N. Y.	Dec. 16
Dec. 21	Graders, etc. — Lancaster, Wis.	Dec. 16
Dec. 21	Foundations—Phila., Pa.	Dec. 2
	Adv. Dec. 2 to 16.	
Dec. 22	Gasoline, Coal, and Retaining Wall, etc.—New York, N. Y.	Dec. 16
Dec. 23	Wood Paving Blocks—New York, N. Y.	Dec. 16
Dec. 24	Hot Water Mains—Randalls Island (New York, P. O.), N. Y.	Dec. 16
Dec. 28	Grease—Washington, D. C.	Dec. 16
	Adv. Dec. 16.	
Dec. 28	Wharfs and Pier — Phila., Pa.	Dec. 9
	Adv. Dec. 9 and 16.	
Jan. 4	Wall—Seneca Falls, N. Y.	Dec. 3
	Adv. Dec. 9 and 16.	
Jan. 5	Fan, Motor, Heaters, etc.— Dannemora, N. Y.	Dec. 16
	Adv. Dec. 16.	
Jan. 5	Fender Rack and Ice Breakers—Perth Amboy, N. J.	Dec. 16
	Adv. Dec. 16.	
Jan. 10	Filter Sand — Hartford, Conn.	Dec. 2
Jan. 11	Motors and Pumps—Sacramento, Cal.	Dec. 2
Jan. 18	Engine and Pump—Okeechobee, Fla.	Dec. 16
	Adv. Dec. 16.	
Jan. 26	Wall—Chesterville, Ont	Nov. 25

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk or corresponding official.

Waterworks

PROPOSED WORK

W. Va., Charlestown—City plans to install electric chlorine plant and meters for industrial consumers.

N. C., Greenville — City plans to issue $65,000 bonds to improve waterworks and lighting system.

Fla., Tampa — Tampa Waterworks Co. soon receives bids furnishing and laying 1½ mi. mains, (400 ft. of which will be laid across Hillsborough River at Eagle St.) Work involves 5,805 ft. 6-12 in. and 400 ft. 16 in. c. i. pipe, 3,000 or 4,000 cu.yd. rock from bed of Hillsborough River, etc. About $60,000. C. R. McFarland, mgr.

Tenn., Pulaski—City plans to construct waterworks system. About $100,000. W. J. Yancy, chn. water com. Noted July 29.

Ia., Newton—City had plans prepared building rein.-con. or steel reservoir, with 1,250,000 gal. capacity, 2 centrifugal pumps, pump house, 20-35 h.p. motor to pump 350-500 gal. per minute, etc. Work involves 1,000 cu.yd. concrete in reservoir and 3,250 cu.yd. earth excav. About $65,000. E. T. Archer, New England Bldg., Kansas City, Mo., engrs.

Minn., Stephen—City election in spring to vote on $30,000 bonds to build waterworks system. L. P. Wolff, 1001 Guardian Bldg., St. Paul, engr.

Idaho, Weiser—City election Jan. 4, to vote on $150,000 bonds to build waterworks system, including filtration plant. L. C. Kelsey, Filer, engr.

Ariz., Phoenix—City plans to vote on $450,000 bonds to extend and improve water distributing system. L. B. Hitchcock, city engr.

Cal., Niland — Mutual Water Co. 3 is organizing additional water district to serve 20,000 acres between Llana and Wister, work involves extension of main high line canal to Wester. Cost to exceed $100,000. C. Allison, Niland, engr.

Ont., London—Pub. Utilities Comn. plans to expend $135,000 for extensions to water distribution system; work involves c.i. pipe mains, hydrants, etc. E. V. Buchanan, Hydro Bldg., engr.

BIDS DESIRED

Wis., Viroqua—Until Dec. 28, by E. J. Oider, city clk., drilling well, 300-500 ft. deep, 12 in. diam. W. G. Kirchoffer, 31 Vroman Blk., Madison, engr. Noted Dec. 9.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★N. C., Maiden—Town let contract building 4 mi. water mains, one 100,000 gal. standpipe, deep wells, pump houses, etc. and 3 sewage disposal plants, to Higgins & Goforth, Charlotte. About $100,000. Noted Dec. 9.

★Mich., Hamtramck (Detroit P. O.)—Village let contract furnishing and laying 3,870 ft. 6 in. c.i. watermains, etc., to J. A. McDace, 4036 Fairview Ave., Detroit. About $25,000. Noted Oct. 28.

Wis., Milwaukee—Dept. Pub. Wks. received bid Dec. 7, furnishing 2 circular sluice gates for Linwood Ave. water tunnel, from Chapman Valve Mfg. Co., Indian Head, Mass., $5,040 each. Noted Dec. 2.

Wash., Seattle—City received bids Dec. 3,building 2 earth dams, at Swan Lake, (as part of proposed extensions to waterworks system), (a) rolled embankment, (b) hydraulic fill, from Coluccio & Erickson, Ry. Exch. Bldg., (a) $54,054, (b) $54,954; Olympic Constr. Co., Seattle, (a) $72,410, (b) $72,410; J. L. Smith, Pioneer Bldg., (a) $80,883; G. Rerick, Seattle, (b) $84,615. Noted Nov. 13.

★Cal., Los Angeles — See "Streets and Roads."

Sewers

PROPOSED WORK

Pa., Scranton—Dept Pub. Wks. receives bids in spring, building lateral sewers, involving 3,550 lin.ft. 8-20 in. vitr. pipe sewer. About $27,701. W. A. Schunk, ch. engr.

Fla., Pensacola—City adopted ordinance to relay sewer from Chase to Main Sts. About $20,000. L. E. Heinberg, clk.

Ill., Bloomington — Alvord & Burdick, engrs., 8 South Dearborn St., Chicago, opens bids in January, building sewage disposal plant, for city. About $60,000.

Ill., Decatur—City receives bids in February building intercepting sewers in various streets. About $300,000. Greeley, Pearse & Hansen, 39 West Adams St., Chicago, engrs.

Ill., Ziegler—City will probably receive bids in January building sewerage system, involving 43,680 ft. 8-15 in. vitr. sewer pipe, 29,000 cu.yd. earth trenching and 81 brick manholes. About $114,678. E. A. Cox, West Frankfort, engr.

Wis., Two Rivers—City having plans prepared for building additional sanitary and storm sewers in various streets. About $60,000. Simmons & Davis, 221 Grand Ave., Milwaukee, engrs.

S. D., Yankton—See "Streets and Roads."

Okla., Norman—City having plans prepared for extending sewerage system. About $50,000. Peckham, Sutton & James, Oklahoma City, engrs.

BIDS DESIRED

N. Y., Brooklyn—Until Dec. 22, by E. Riegelmann, boro pres., repairing rein.-con. sewer in Maspeth Ave. from Porter Ave. to Newtown Creek. About $149,720.

O., Mansfield—Until Jan. 5, by city, building 3 mi. sanitary sewers. W. C. Statler, engr.; advertised in this issue.

Mich., Detroit—Until Dec. 2, by Dept. Pub. Wks. furnishing labor and materials for 6,914 ft. Sect. 2 Bates St. tunnel sewer, in Congress, Randolph, Madison and Brush Sts. from Atwater St. to 30 ft. south of Alfred St., also 10,845 ft. Sect. 2A, of Bates St. Sewer in Woodbridge, Congress, Randolph, Madison and Brush Sts. C. W. Hubbell, City Hall, engr.

Mo., Joplin—Until Dec. 21, by O. P. Mahoney, comr. Streets & Pub. Impvts., 112 West 2nd St., furnishing labor and material (except sewer pipe and wyes) for building 5 mi. Villa Heights and Castle Rock Pub. Sewers. About $250,000. W. E. Shanklin, Frisco Bldg., engr.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★Mass., Northampton—City let contract building 1 story brick and concrete pumping station, 550-ft. 10 in. vitr. pipe line and 285-ft. 10 in. c. i. pipe line with manholes, covers, etc., to D. A. Sullivan, Paradise Rd. About $15,000.

N. Y., Ossining—C. F. Rattigan, supt. State Prisons, Capitol, Albany, received bids Dec. 8, building sewerage and water supply systems, here, from Carroll Contg. Co., 103 Park Ave., New York City, $313,-392; A. F. Schaeffer, 440 State St., Schenectady, $319,158; P. Keeler Bldg. Co., 425 Orange St., Albany, $337,480. Noted Nov. 18th.

N. Y., S. I., St. George—C. D. Van Name, pres. Richmond Boro, received bids Dec. 7, building sewer in South St. from Long Island R.R. tracks to Rockaway Ave., (a) open cut, (b) tunnel, from F. Spannello, (a) $34,483, (b) $34,483; Green Contg. Co., 734 Vernon Ave., Astoria, L. I., (b) $34,-596; J. Rotti, (a) $41,590, (b) $34,945.

★N. C., Maiden—See "Waterworks."

★Ky., Covington—Comn. Pub. Wks. let contracts building 6-18 in. sewers in 27th St. and Decoursey Ave., to E. J. McKenna, Covington, $22,869 and $7,276 respectively; Madison Ave., to W. Metzel, Covington, $6,834. Noted Nov. 18.

★O., East Cleveland (Cleveland P. O.)—City let contract building sewer and culvert in Terrace Rd. between Taylor Rd. and Hastings Ave., to T. Marro, Illuminating Bldg., Cleveland, $16,501. Noted Dec. 9.

★Mich., Detroit—City let contract build-Six Mile Rd. Sewer, Sect. 5, from Lumkin to Omira Aves. and Sect. 6, Omira to 3rd Aves., to J. Porath, 20 McGraw Bldg., $418,-000 and $354,114 respectively; Sect. 7, from 3rd to Linwood Aves., to W. Blanck & Co., 827 Ford Ford Bldg., $239,117. Noted Dec. 9.

Mich., Detroit—City received bids for (1) Lateral Sewer 3264, between Fairview, Engel, Marsh and Edlie Sts., (2) 3,389 between Linwood, LaSalle and Tuxedo Sts., (3) 3,390 between Mitchell, McDougal, Carpenter and Davison Sts., (4) 3,395 between Jos. Campau, McKay, and Davison Sts. and Six Mile Rd., (5) 3,396 between Lawton, Linwood, Buena Vista and Tyler Aves., from Lennane Bros., 809 Union Trust Bldg., (1) $16,906; Detroit Drainage Constr. Co., Penobscot Bldg., (1) $14,000, (2) $5,400, (3) $11,920, (4) $42,358, (5) $10,240; S. A. Duponovich, Detroit, (1) $17,400; R. D. Baker, Penobscot Bldg., (2) $4,998, (3) $16,000; Western Constr. Co., 1208 Ford Bldg., (2) $5,413, (3) $15,433, (4) $44,738, (5) $10,698; Liberty Constr. Co., 917 Chamber of Commerce (4) 000; Langley & Barton, Penobscot (5) $10,809.

Mich., Ferndale—City received bi nishing labor and material laying 30-36 in. sewer in Rockwell Ave. fr muda to Farmdale Aves., from R. D 485 Elmherst Ave., Detroit. (rein $46,000; R. Edwards, Milan, (vitr 000. Noted Dec. 9.

★Mich., River Rouge—Village let tract building rein.-con. sump for se system, involving 1,450 cu.yd. excav cu.yd. rein.-con. and 10½ tons steel, to ton & Errington Cement Constr. Co Buhl Blk, Detroit. About $20,000. Dec. 2.

★Utah, Salt Lake City—City let con building sewers in 5th St. south to Angeles & Salt Lake R.R. tracks, an 8th St. west to Redwood Rd., involving 367 ft. 8-21 in. vitr. and 530 ft. 24 in pipe, to R. L. Campbell, Salt Lake $200,168.

★Cal., Calexico—City let contract constructing 10,417 ft. 6 in. vitr. sewers to H. H. Peterson, Calexico, $16,837.

★Cal., Los Angeles — See "Streets Roads."

Bridges

PROPOSED WORK

N. C., Washington—Comrs. Beaufort will sell $100,000 bonds Jan. 13, to build bridges. C. P. Aycock, chn.

Wis., La Crosse—La Crosse Co. soon receives bids building Smith Valley Bridge 24 ft. wide, concrete, to have two 15 ft. spans, on State Highway 21, Campbell Twp. About $47,000. J. Hintgen, comr. Wisconsin Highway Comn., Madison, engrs.

Wis., Neillsville—City, Pine Valley Twp. and Clark Co. having plans prepared for 224 ft. rein.-con. bridge, 20 ft. roadway with sidewalks, over Black River. About $100,000. J. H. A. Brahtz, 409 Metropolitan Opera House Bldg., St. Paul, Minn., engr. Noted Sept. 16.

Wis., Prescott—Prescott Bridge Co. having plans prepared for 450 ft. steel bridge, 24 ft. wide, to replace ferry, over St. Croix River, between Pierce Co., Wis., and Washington Co., Minn. About $125,000. Toltz, King & Day, 1410 Pioneer Bldg., St. Paul, Minn., engrs. Noted Dec. 2.

Wis., Wisconsin Rapids — City plans to build 500 ft. rein.-con. bridge, 52 ft. wide, over Wisconsin River on Grand Ave. About $210,000. Wisconsin Highway Comn., Madison, engrs.

Minn., Grand Rapids—Itasca Co. rejected bids received Dec. 7, building Bridge 3252 over Mississippi River, to have four 60 ft. spans. About $100,000. Work will be readvertised. Noted Nov. 18.

Kan., Marysville—Marshall Co. rejected bids Nov. 9 furnishing labor and material building 200 ft. steel truss span bridge on Sect. 21, T4, R9; 40 ft. rein.-con girder bridge between Sec. 17-20 T5 and R10; one 24 ft. rein.-con. span bridge on north side Sect. 1, T1, R6; one 24 ft. beam on south side Sect. 31, T2, R6, one 24 ft. beam span on west side Sect. 30, T2, R 7; 42 ft. steel span bridge on Sect. 1, T1, R7; 42 ft. steel span bridge between Sect. 35 and 36, T2, R9; 50 ft. steel span bridge on north line Sect. 4, T1, R10. Noted Nov. 4.

Ont., London—See "Miscellaneous."

Ont., Prairie Siding—Kent Co. retained W. G. McGeorge, engr., 153 Queen St., Chatham, to prepare plans for 380 ft. steel bridge, to have one 200 ft. stationary span and one 180 ft. swing span. About $150,000. Bids expect to be called early in January.

BIDS DESIRED

North Carolina—Until Dec. 30, by State Highway Dept., Raleigh, building bridges on Federal Aid Project 68, Sampson Co., involving 68,502 lb. reinforcing steel, 1,026 cu.yd. Class A concrete, 1,710 lin.ft. untreated timber piles, 282,950 lb. structural steel, 53,350 ft. creosoted lumber, 9,900 sq. yd. asphalt wearing surface, 1,065 ft. pipe railing, etc. W. S. Fallis, state highway engr.

Wis., Milwaukee—Until Dec. 23, by Commissioner Pub. Wks., for cluster pile driving and repairing timbers at Muskego Ave., 6th and 16th Sts. bridges. About $15,000. G. Staal, City Hall, engr.

Ia., Burlington—Until Jan. 17, at office of City Clerk, building highway bridge. H. A. Vollmer, city engr.; advertised in this issue.

Kan., Topeka—Until Dec. 20, by Shawnee Co., building one 140 ft. span rein.-con. arch bridge on Rochester Rd., 20 ft. wide, involving 884 cu.yd. rein.-con., 36.3 tons steel, 4,300 lin.ft. wooden piling and

Bridges (Continued)

...t. cofferdam. About $45,000. A. C. ...erwall Co., Topeka, and Marsh Eng. ... 205 Masonic Temple, Des Moines, Iowa, ...rs. Noted Nov. 18.

...nt., Hamilton—Until Jan. 11, by R. C. ...rochers, secy. Dept. Pub. Wks., Ottawa, ...ding superstructure of single leaf ...trauss Trunnion Bascule bridge over Bur... ...gton Channel, Wentworth Co.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★Ia., Manchester—Delaware Co. let contract building rein.-con. deck ribbed arch bridge, to have two 87 ft. spans, 26 ft. roadway and two 5 ft. sidewalks, to Miller-Fi... ...d Constr. Co., L. & J. Bank Bldg., Waterloo, $43,988. Noted Dec. 2.

Kan., Chapman—Dickinson Co. received bids building one 150 ft. span rein.-con. arch bridge near here, 18 ft. wide, involving 1,... ...cu.yd. rein.-con., 40.8 tons steel, 4,080 lin.ft. wooden piling and 250 ft. cofferdam, from Koss Constr. Co., 2818 5th St., Des Moines, Iowa, $44,017. Cambell Bros., Kansas City, Mo., $52,217. Noted Nov. 25.

Kan., Columbus — Cherokee Co. received bids building 520 ft. rein.-con. and steel bridge 18 ft. wide, over Spring River, from Koss Constr. Co., 2818 5th St., Des Moines, Ia., (Rainbow arch design), $106,590; St. Louis Structural Steel Co., St. Louis, Mo., (steel bridge), $97,582. Noted Nov. 18.

Wyo., Thermopolis—State Highway Dept., Capitol Bldg., Cheyenne, let contract building 270 ft. rein.-con. bridge, 20 roadway, here, to R. M. Templeton, Thermopolis. About $64,000.

Tex., Breckenridge — Stephens Co. received bids Dec. 3, building 229 ft. concrete viaduct, 44 ft. wide, over Gonzales Creek on Highway 1, from Maney Bros. & Co., 304 Empire Bldg., Oklahoma, Okla., $69,... ...830; Morrison & Coleman, Wichita Falls, $74,094; McCall-Moore Eng. Co., 308-9 Amicable Bldg., Waco, $81,508. Noted Nov. 25.

★Okla., Lawton—Comanche Co. let contract building bridges and culverts, to Boardman & Co., Oklahoma City. About $39,000.

Streets and Roads

PROPOSED WORK

N. Y., New York — H. Bruckner, pres. Bronx Boro, Municipal Bldg., Crotona Park, Tremont and 3rd Aves., rejected bids received Nov. 18, regulating, etc., Sackett Ave. from Williams Bridge to Eastchester Rds., cost $30,000; protecting with rock fill outlet of sewer at White Plains Ave. and East River, $4,000. Noted Nov. 25. Work will be readvertised.

Pennsylvania — State Highway Dept., Harrisburg, rejected bids received Oct. 13, repaving Application 401 and 402, York Co. Noted Oct. 21.

W. Va., Marlington — Pocahontas Co. plans to build 4 mi. Class A road from Warwick to Dunmore, Greenbank Dist.; grading to be done by day labor. Above project approved by State Highway Comn., Charleston. Noted July 29.

North Carolina — State Highway Comn., Raleigh, having plans prepared for clearing, grubbing, grading, graveling, laying 18-30 in. terra cotta pipe and building 2 small rein.-con. bridges and 9 box culverts on 4¾ mi. road between point north of Bradley Creek and Cowee-Franklin Twp. line, 14 ft. wide, Federal Aid Project 97 F, Macon Co. About $60,000. W. S. Fallis, state highway engr.

North Carolina—State Highway Comn., Raleigh, having plans prepared for clearing, grubbing, grading, top soiling, draining and building 400 ft. rein.-con. bridges, culverts, etc., on 21.9 mi. road between lower Little River and Harnett-Wake Co. line, 18 ft. wide, Federal Aid Project 102, Harnett Co. About $195,000. W. S. Fallis, state highway engr.

North Carolina — State Highway Comn., Raleigh, having plans prepared for clearing, grubbing, grading, top soiling, draining, laying 12-24 in. terra cotta pipe and building 130 ft. rein.-con. bridges on 7 mi. Mocksville-Winston-Salem Highway, 18 ft. wide, Federal Aid Project 136, Davie Co. About $50,000. W. S. Fallis, state highway engr.

North Carolina—State Highway Comn., Raleigh, having plans prepared for clearing, grubbing, grading, draining, laying 18-30 in. corrugated iron pipe and building several small rein.-con. bridges and culverts on 8 mi. road between Marion and Old Fort, 16 ft wide, Federal Aid Project 84 C, McDowell Co. About $75,000. W. S. Fallis, state highway engr.

N. C., Louisburg — Gold Mine Twp., Franklin Co., plans to sell $40,000 bonds to build roads. M. S. Davis, Louisburg, engr.

N. C., Monroe—Union Co. plans to sell $200,000 bonds to improve and build roads and bridges. M. C. Long, clk.

N. C., Washington—Cmrs. Beaufort Co. will sell $500,000 bonds Jan. 13, to build roads. F. C. Kugler, chn.

O., Columbus—City plans to pave 7,875 ft. Neil Ave. from Goodale St. to 11th Ave., 60 ft. wide. H. Maetzel, engr.

O., Hamilton—City plans to pave 800 ft. Lincoln Ave. from Dixie Highway to R.R. depot, 33 ft. wide, involving 1,400 lin.ft. cement curbing and 3,000 sq.yd. vitr. brick, asphalt or concrete on concrete base. About $18,500. W. Weaver, city engr.

Michigan—State Highway Dept., Lansing, receives bids early in January grading, draining and surfacing 4.068 mi. Assessment Dist. Rd. 177, gravel.

Mich., Detroit—City and Rd. Comrs. of Wayne and Oakland Counties plan to build 20 mi. highway on Woodward Ave. from here to Pontiac, 20-24 ft. wide. Wayne Co. Rd. Com., 212 County Bldg., Detroit, engrs.

Ill., St. Charles—Kane Co. opens bids in January, building 3,723 ft. State Aid Rd. Route 1, 18 ft. wide, concrete. About $30,... ...478. C. L. Hanson, co. supt.

Ia., Cedar Rapids—City opens bids about Feb. 1, paving 3,000 sq.yd. First Ave. Bridge and approaches, brick block. About $15,000. T. F. McCauly, city engr.

Minn., Duluth — Comrs. St. Louis Co. authorized issuance of $4,000,000 bonds and soon receive bids hard surfacing 56 mi. State Highway 1, from here to Eveleth. Comrs. also plans to authorize issuance of $3,500,000 additional bonds (bringing total up to $7,500,000, as approved by voters at election Aug. 1918) to build balance of program of 276 mi. roads. Bids will be taken on different sections of highway, as plans for same are completed by R. W. Acton, co. engr. It is thought probable that the taking of a batch of bids will be authorized at the January meeting of the Co. Comrs.

S. D., Yankton — City voted $300,000 bonds to pave and build storm sewers in 6 or 7 mi. various streets. J. W. Summers, clk.

N. D., Devils Lake—City plans to pave 40 blocks various steets. About $150,000. J. Kuchar, clk.

N. D., Jamestown—City having plans prepared paving about 10 blocks various streets, 30 ft. wide, probably concrete. About $50,000. C. E. McElroy, clk.

Tex., Comanche—Comanche Co. having plans prepared grading and building bridges on 8 mi. Highway 22 from Rush Creek to De Leon, involving 1,261 cu.yd. 1:2:4 concrete, 86,288 lb. reinforcing and 47,060 lb. structural steel, etc. About $126,298. L. D. Parks, De Leon, engr. Noted Oct. 14.

Oklahoma — State Highway Dept., Oklahoma, had plans prepared grading, graveling, surfacing and draining 4.91 mi. State Highway, 18 ft. wide, involving 16,840 cu. yd. earth excav., etc., Pushmataha Co., cost $68,405, 1.625 mi. State Highway, 18 ft. wide, involving 25,000 cu.yd. earth excav., Latimer Co., $40,000; paving 2.14 mi. State Highway, 18-40 ft. wide, vitr. brick and concrete, Kay Co., $125,299; draining and grading 8.8 mi. Mountain Rd. State Highway, 18 ft. wide, involving 80,000 cu.yd. earth excav., McCurtain Co., $124,848.

Ontario — Provincial Government, Toronto, plans to build 10-12 mi. new roads in Carleton Co. About $60,000. G. Hogarth, Parliament Bldg., Toronto, engr.

BIDS DESIRED

W. Va., Pineville—Until Feb. 1, by Comrs. Wyoming Co. building 4 mi. earth road from Mullens to Raleigh Co. line. H. J. Spelman, Huntington, div. engr.

North Carolina—Until Dec. 30, by State Highway Comn., Raleigh, improving 17.28 mi. road between Hamlet and Richmond-Moore Co. line, 18 ft. wide, Federal Aid Project 129, Richmond Co., involving 43 acres clearing and grubbing, 59,000 cu.yd. common excav., 1,750 ft. 15-24 in terra cotta pipe, 300 ft. 18 in. corrugated metal pipe, 142 cu.yd. Class B. concrete and 45,... ...612 cu.yd. artificial sand clay surfacing. W. S. Fallis, state highway engr. Noted Dec. 9.

Ohio—Until Dec. 31, by State Highway Dept., Columbus, grading, building bridges and culverts and paving roads in following counties:

Crawford Co., Sect. "H" Bucyrus-Upper Sandusky Rd., 4.007 mi., brick, cost $258,... ...549.

Darke Co., Sect. "A" Greenville-Covington Rd., 6.188 mi., brick, rein.-con. or bituminous macadam, $429,276.

Sect. "F" Greenville-Covington Rd., 3.202 mi., brick, rein.-con. or bituminous macadam, $215,199.

Defiance Co., Sect. "G" Bryan-Defiance Rd., 1.788 mi., Kentucky rock asphalt, $81,... ...714.

Franklin Co., Sect. "P" Columbus-Sandusky Rd., 2.20 mi., brick, $380,490.

Hocking Co., Sect. "K" Logan-Athens Rd., 3.487 mi., brick, on waterbound base or monolithic brick, $178,687.

Madison Co., Sect. "C" National Rd., 5.459 mi., Kentucky rock asphalt or bituminous macadam, $178,808.

Sect. "D-2" National Rd., 4.536 mi., Kentucky rock asphalt or bituminous macadam $145,114.

Sect. "C" Columbus-Washington Rd., 0.992 mi., bituminous macadam, $36,640.

Sect. "N" Columbus-Washington Rd., 1.429 mi., bituminous macadam, $50,992.

Muskingum Co., Sect. "O" Zanesville-Dresden Rd., 4.88 mi., monolithic brick, $272,860.

Sect. "M-1" Zanesville-Caldwell Rd., 1.45 mi., brick, $71,092.

Sect. "F-1" Zanesville-New Lexington Rd., 3.15 mi., brick, $181,210.

Portage Co., Sect., "V" Ravenna-Warren Rd., 3.140 mi., waterbound macadam, $93,... ...493.

Putnam Co., Sect. "M" Van Wert-Ottawa Rd., 2.865 mi., Kentucky rock asphalt, $112,402.

Richland Co., Sect. "J" Ashland-Shelby Rd., 3.144 mil., concrete or bituminous macadam, $136,262.

Stark Co., Sect. "D-1" Alliance-Minerva Rd., 1.415 mi., brick, $91,184.

Sect. "D" Navarre-Berlin Rd., 2.49 mi., brick, $169,953.

Trumbull Co., Sect. "H" Niles-Ashtabula Rd., 5.14 mi., bituminous macadam, $170,... ...595.

Sect. "A-2" Canfield-Niles Rd., 1.13 mi., brick, $98,540.

Williams Co., Sect. "Stryker" Bryan-Wauseon Rd., 1.393 mi., Kentucky rock asphalt, $106,316.

Wyandot Co., Sect. "L" Marion-Upper Sandusky Rd., 3.56 mi., monolithic brick, $182,862.

Sect. "F" Cambridge-Newcomerstown Rd., 3.489 mi., plain concrete, $159,584.

Seneca Co., Sect. "K" Tiffin-Republic Rd., 2.576 mi., brick or bituminous macadam, $129,161.

Guernsey Co., Sect. "G-1" Cambridge-Newcomerstown Rd., 1.672 mi., grading roadway, $69,606.

Sect. "Ottoville" VanWert-Ottawa Rd., 0.595 mi., grading and paving with Kentucky rock asphalt, $22,986.

Indiana — By Bd. Co. Comrs. building roads in following counties:

Dec. 23, Vanderburgh Co., Evansville, Walter Mills et al Rd., rock, Pigeon Twp. W. M. Copeland, aud.

Dec. 29, Whitely Co., Columbia, 8,375 ft. W. W. Smith et al Rd., gravel, Etna Twp. W. K. Burwell, aud.

Jan. 3, Spencer Co., Rockport, J. P. Frank et al Highway, Ohio Twp.; Joshua Weatherbolt et al Rd., gravel, Ohio Twp. R. W. Richards, aud.

Jan. 4, Montgomery Co., Crawfordsville, 6,600 ft. Lee Brookside et al Rd., gravel, Clark Twp.; Joseph A. Linn et al Rd., gravel, Walnut Twp.; 10,560 ft. Geo. Himes et al Rd. on line between Union and Scott Twps., gravel. W. McClelland, aud.

Wabash Co., Wabash, Frank Linn et al Rd., gravel, Noble Twp. B. Banister, aud.

Michigan—Until Dec. 20, by State Highway Dept., at dist. office Cadillac, grading and surfacing 2.968 mi. State Trunk Line Rd. 63-2, Osceola Co., involving 27,857 sq. yd. gravel or stone. Noted Dec. 9.

Michigan—Until Dec. 21, by State Highway Dept., at office of Bd. Rd. Comrs. Charlevoix Co., (Charlevoix), grading and surfacing 3.407 mi. State Trunk Line Rd. 13-11 Sect. B, involving 31,982 sq.yd. gravel or stone. Noted Dec. 9.

Michigan—Until Dec. 21, by State Highway Dept., at office of Bd. Rd. Comrs. Ionia Co., (Ionia), grading, draining and surfacing, 4.895 mi. State Trunk Line Rd. 39-2, involving 45,948 sq.yd. gravel. Noted Dec. 9.

Michigan—Until Dec. 21, by State Highway Dept., at office of Bd. Rd. Comrs. Midland Co., (Midland), grading, draining and surfacing 2.038 mi. State Trunk Line Rd. 18-14, involving 18,836 sq.yd. gravel or stone-gravel, 11,753 cu.yd. excav., etc.

Ia., Corydon—Until Dec. 21, by Comrs. Wayne Co., improving 10.95 mi. road, involving 125,153 cu.yd. earth excav., 9,320 lin.ft. 6-12 in. tile, etc. D. C. Thomas, Corydon, engr.

Streets and Roads (Continued)

Minn., Austin—Until Jan. 5, by Mower Co., graveling Federal Aid Project 38, State Rd. 1, involving 28,813 cu.yd. gravel; Job 2002, State Rd. 4, involving 15,560 cu.yd. gravel. About $20,000. J. A. Myron, Slayton, engr.

Kan., Concordia—Until Jan. 6, by Cloud Co., paving 6.506 mi. Federal Aid Project 67, and 2.15 mi. Federal Aid Project 68, 18 ft. wide. B. E. Thurston, engr.

Kan., Emporia—Until Jan. 11, by Lyon Co., paving 5.87 mi. Santa Fe Trail, Sect. C. & G., Federal Aid Project 30, 18 ft. wide. About $250,000. W. S. Ruggler, engr.

Kan., Hutchinson—Until Jan. 7, by Reno Co., grading and building culverts on 52.822 ft. Santa Fe Trail, Sects. D. and E., 30 ft. wide, Federal Aid Project 27. About $200,000. D. E. Gilmer, Hutchinson, engr.

Oklahoma—Until Dec. 21, by State Highway Dept., Capitol Bldg., Oklahoma City, improving 13 mi. Federal Aid Project 19, Oklahoma Co., alternate bids on vitr. brick, sheet asphalt, cement, concrete and asphaltic concrete; 15.98 mi. Federal Aid Project 39, Carter Co., gravel, rock asphalt, cement, and concrete and asphaltic concrete; graveling 21.79 mi. Federal Aid Project 21, McIntosh Co. R. C. Terrell, state highway engr. Noted Aug. 5.

Okla., Oklahoma City—Until Dec. 21, by city, paving 36 blocks with 2 in. asphaltic surfacing on 5 in. concrete base.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Pennsylvania** — State Highway Dept., Harrisburg, let contracts repaving Application 1236 and 1237, Beaver Co., both concrete, to J. B. Reed Co., McKees Rocks; Application 1238, Beaver Co., hillside brick, to S. B. Markley, New Brighton; Authorizations 401 and 410, Erie Co., to Warren Bros. Co., 142 Berkeley St., Boston, Mass. Noted Sept. 23 and Oct. 21.

★**North Carolina**—State Highway Comn., Raleigh, let contract improving 4.54 mi. road from Forsyth Co. line to Guilford Co. line, Federal Aid Project 82, 18 ft. wide, Davidson Co. to Helig & Sherill, P. O. Box 9, Winston-Salem, $56,587. Work involves 6 acres clearing and grubbing, 29,710 cu.yd. common excav., 11,870 cy.yd. top soiling, 542 cu.yd. Class A and 51 cu.yd. Class B concrete, 824 ft. 12-24 in. terra cotta pipe, 71,510 lb. reinforcing steel and 1,300 lb. expansion plates and bolts, etc.

★**North Carolina**—State Highway Comn., Raleigh, let contract improving 7.63 mi. road between Wilson-Wayne Co. line and Wiggins Mill, 18 ft. wide, Federal Aid Project 127, and 6.25 mi. road from Wilson Twp. line to Wilson-Nash Co. line, 18 ft. wide, Federal Aid Project 147, to Bd. Rd. Comrs., Wilson Co. (Wilson) $30,826 and $25,984 respectively. Noted Nov. 11.

Fla., Ft. Myers—City received only bid grading and paving 1¼ mi. 1st St. from Fowler St. to Billys Creek Bridge, 28-36 ft. wide, involving 11,873 sq.yd. pavement and 2500 cu.yd. grading, from J. G. Yeats, Port Tampa City. About $30,000. Contractor bid on following types, vitr. brick at $4.18 per sq.yd., cement, $4.95, sheet asphalt, $2.65, asphalt block, $3.75, concrete, $5.00 and asphaltic concrete, $2.75. Noted Nov. 18.

★**Fla., Key West**—City will lay 10 mi. concrete sidewalks, (4 mi. 10 ft. wide and 6 mi. 6 ft. wide), involving 41,000 cu.yd. concrete, cost, $50,000; native rock and sheet asphalt covering over 4 mi. various streets, 30 ft. wide, involving 8 mi. concrete curbing and guttering, 60,000 sq.yd. asphalt and 60,000 sq.yd rock base, $100,000. Work will be done by day labor.

★**Fla., Tampa**—City let contract paving ¼ mi. Ashley St. from Zack to LaFayette Sts., 80 ft. wide, involving 5,600 sq.yd. vitr. brick, to Howell & Owens, Strand Bldg., at $5.80 per sq.yd.

★**Indiana**—Bd. Co. Comrs. let contracts building roads in following counties:

Owen Co., Spencer, 8,885 ft. G. Knapp et al Rd., gravel, Marion Twp., to M. K. Hanna, Bloomington, $16,290.

Gibson Co., Princeton, 15,538 ft. Crawford-Williams Rd., stone and gravel, Montgomery Twp., to Hazleton Gravel Co., Hazleton, $41,500.

Hancock Co., Greenfield, 14,690 ft. W. F. Klieman Rd., gravel, Buck Creek Twp., to Hawkins & Rigdon, Fountaintown, $17,450. Noted Nov. 18 and 25 and Dec. 2.

★**Michigan**—State Highway Dept., Lansing, let contract grading and surfacing with concrete 16.595 mi. Federal Aid Project 38, St. Clair Co., Sects. A, B and C, involve 485.1 sta. fine grading, $10 per sta., 96,753 sq.yd. concrete, $3.50 per sq.yd., Sects. D and E, 391 sta. grading, $10, and 77,943.4 sq.yd. concrete, $3.55, etc., to Jenks & Dewart, 1514 Military Ave., Port Huron. Total cost $635,231.

★**Wisconsin**—State Highway Comn., at div. office 2, 208 Stephenson Bldg., Milwaukee, let contract grading and paving 4.65 mi. Town Line Rd., Federal Aid Project 115, involving (a) 49,150 sq.yd. concrete surfacing, (b) 16,385 bbl. cement in place, (c) 49,176 lin.ft. shouldering, etc., to McGucken Constr. Co., 425 East Water St., Milwaukee, (a) $1.88 per sq.yd., (b) $3.21 per bbl., (c) $0.10 per lin.ft., etc., total cost, $153,944. Noted Dec. 2.

Wisconsin—State Highway Comn., Madison, received bids Dec. 6, grading and paving 2.1 mi. Portage-Wyocena Rd., Federal Aid Prbject 51, Columbia Co., involving (a) 9,568 cu.yd. earth excav., (b) 46,933 cu.yd. borrow excav., (c) 35.15 cu.yd. concrete in culverts, (d) 47,090 lb. structural steel, (e) 140.5 cu.yd. Class "A" concrete, (f) 26 cu. yd. Class "E" concrete, etc., from Gunnison Bros. and Lange, North Freedom, (a) $0.63 per cu.yd., (b) $0.45 per cu.yd., (c) $28. per cu.yd., (e) $33 per cu.yd., (f) $33. per cu.yd., etc., total cost, $39,957; Brogan & Burns, Green Bay, (a) $0.60, (b) $0.59, (c) $26., (d) $0.12, (e) $34., (f) $38., $47,839; McGucken Constr. Co., 425 East Water St., Milwaukee, (a) $1.15, (b) $0.75, (c) $30., (d) $0.13, (e) $42, (f) $28., $62,285; also building bridge on above project, from M. O. Carter, Richland Center, $10,091; W. E. Gifford, 425-26 Washington Bldg., Madison, $13,250. Noted Dec. 2.

Wisconsin—State Highway Comn., at div. office 8, 1st Natl. Bank Bldg., Superior, received bids grading and paving 13 mi. Barron-St. Croix Falls Rd., Federal Aid Project 22, Polk Co., from Boyd & Bowell, St. Croix Falls, $25,406; C. R. McLean, Duluth, Minn., $26,918; Brogan & Burns, Green Bay $51,129. Noted Dec. 2.

★**Ia., Carroll**—Carroll Co. let contract improving 19 mi. Coon Rapids-Dedham-Templeton-Manning Rd., 24 ft. wide, to Peterson, Shirley & Gunther, 1217 W. O. W. Bldg., Omaha, Neb., $125,266.

Ia., Charles City—Floyd Co. received bids Nov. 30, improving 5 mi. Federal Aid Project 63, Sect. B, Nora Springs to Rudd Primary Rd., involving (a) 26,694 cu.yd. excav., (b) 58,743 sq.yd. paving, from Henkle & Son, Mason City, (a) $1.25 pper cu.yd., (b) $4.15 per sq.yd.; Whitlow Constr. Co., Charles City, (a) $1.20, (b) $4.23; Garvey-Weyenberg Constr. Co., 812 College St., Appleton, Wis., (a) $1.25, (b) $4.32. Above bids rejected, may readvertise in January.

★**Minn., Mantorville**—Dodge Co. let contract building Federal Aid Project 200, (formerly 173) involving 1 acre grubbing, 26,855 cu.yd. excav., 38,518 cu.yd. overhaul, etc., Job 2002, State Rd. 6, involving 18 acres clearing and grubbing 40,000 cu.yd. excav., etc., to Cameron, Joyce & Co., Keokuk, Ia. About $50,000. Noted Nov. 4.

Missouri—State Highway Dept., California, received only bid Dec. 2, from E. C. Johnson, Jefferson City, building various sections of Southern Highway, State Aid Project S 20.14, Moniteau Co., .98 mi. (Cole Co. line relocation), involving 6,392 cu.yd. earth and 2,000 cu.yd. rock excav., $0.75 and $2.25 respectively, 29.1 cu.yd. Class B concrete masonry, $30, etc., total cost $10,359; .84 mi. (McGirk relocation), 3,484 cu.yd. earth excav., $0.75, 5.6 cu.yd. Class C concrete masonry, $35, etc., $3,025; .68 mi. (Sect. A Clarksburg Project), 2,738 cu.yd. earth and 400 cu.yd. rock excav., $0.75 and $2.25 respectively, 7.4 cu.yd. Class B concrete masonry, $30, etc., $3,240; .8 mi. (Sect. B Clarksburg Project), 3,223 cu.yd. earth excav., $0.75, 31.2 cu.yd. Class B concrete masonry, $30, etc., $3,557; .95 mi. (Brants relocation), 5,798 cu.yd. earth excav., $0.75, 4.8 cu.yd. Class C concrete masonry, $35, etc., $4,692. Noted Nov. 25.

★**Missouri**—State Highway Dept., Springfield, let contract to Springfield Special Rd. Dist., Brighton, building 16.54 mi. Sect. A Oklahoma-St.Louis Rd., Federal Aid Project 150, Greene Co., involving 59,313 cu.yd. earth excav. cost $0.44 per cu.yd., 5,270 cu.yd. borrow, $0.40, 20,360 sq.yd. broken base course, $0.40, 388.4 cu.yd. Class B and 22 cu.yd. Class C concrete masonry, $24 and $23 respectively, etc., total cost $111,268; 14.79 mi. Sect. B Oklahoma-St. Louis Rd., Federal Aid Project 150, Greene Co., 54,655 cu.yd. earth and 558 cu.yd. rock excav., $0.45 and $2 respectively, 10,553 cu.yd. borrow, $0.40, 28,653 sq.yd. broken stone base course, $0.40, 475.7 cu.yd. Class B concrete masonry, $24, 46,855 specification C gravel pavement, $0.51, 73,359 sq.yd. clay bound macadam surface, $0.40, etc., $110,256. Noted Nov. 25.

★**Mo., Shelbyville**—Shelby Co. let tract grading and building culverts mi. road from Hunnewell westward, wide, to C. P. O'Reilly & Co., 624 wright Bldg., St. Louis, $27,201. Nov. 25 under "Missouri."

★**Tex., Daingerfield**—Morris Co. let tracts grading, surfacing and draining 2.66 mi. Choctaw Trail, State Highway 12 ft. wide, (2) 10.68 mi. State Highway 1, 12 ft. wide, to C. W. Burgess, 710 Ave., Dallas, (1) $36,779, (2) $93,266, including 10% for engineering and contingencies. Noted Dec. 9.

★**Tex., Ft. Worth**—Tarrant Co. let tract grading, surfacing, clearing and bing 6.8 mi. Kutemans Cut-off Rd., Highway 1, 20 ft. wide, to T. A. Seevers St., Dallas, $117,898; including for engineering and contingencies. Nov. 4.

★**Tex., Linden** — Cass Co. let contr grading, surfacing and draining 10.99 Highway 1-C, Atlanta Rd., 12 ft. wid Smith Bros. and Healey Constr. Co., Smith Bros., Crockett, $117,813; includi 10% for engineering and contingencies cost of gravel furnished by county. Dec. 9.

★**Tex., Nacogdoches**—Nacogdoches Co. contract grading, surfacing and buildi concrete culverts on 23.17 mi. Highway from Gonzales to San Augustine, to H. Bland, San Augustine, $189,552. Work involves 169.3 acres clearing and grubbing 89,449 cu.yd. borrow, 49,429 lb. reinforcing steel, 45,389 cu.yd. gravel, 661.95 cu.yd Class "A" and 176.9 cu.yd. Class "C" concrete, etc Noted Dec. 9.

Tex., Sinton—San Patricio Co. received bids grading, surfacing and draining 15.06 mi. Highway 9, Rd. Dist. 1, involving 9,987 cu.yd. borrow excav., 29.9 cu.yd Class "A" concrete, 2,790 lb. reinforcing steel, 27,373 cu.yd. shell and 15,641 cu.yd gravel surfacing, (2) improving 12.5 mi Highway 9, Defined Rd. Dist. 5, (a) grading road, involving 50,804 lin.ft. machine grading, 11,899 cu.yd. borrow excav., also surfacing and building concrete and steel bridges, (b) topping road with asphalt, involving 117,271 sq.yd. natural rock asphalt, 94,800 lb. structural and 41,361 lb. reinforcing steel, 22,704 cu.yd. shell, 12,974 cu. yd. gravel, 558.3 cu.yd. Class "A" and 45.91 cu.yd. Class "F" concrete, etc., from H. F. Bland, San Augustine, (1) $86,020 (no delivery of material), (2) $141,937 (no delivery of material) Billingsley & Ryman, Bay City, (1) $162,139, (2a) $191,202; Defined Rd. Dist. 1, c/o Commissioners, (1) $183,769, (2a) $188,149, (2b) $79,745. Noted Nov. 4.

★**Okla., Oklahoma City**—City let contract paving 1st St. from Western to Francis Aves. and Francis Ave. from Main to 2nd Sts., 1½ in. sheet asphalt on 1 in. binding course on 6 in. concrete base, to Western Paving Co., 518-19 Terminal Bldg., $25,959.

★**Utah, Salt Lake City**—City let contract paving 1,500 ft. 21st St. from Fire Station to 13th St. E., 42 ft wide, 7 in. plain concrete, to Campbell Bldg., Co., Newhouse Bldg., $33,352.

★**Cal., Los Angeles**—City let contract paving Cudahy Ave., involving 560 cu.yd. excav., 4,316 ft. shaping roadbeds and 10,625 sq.ft. 4 in. Willite pavement, to Lagana Land Co., Consolidated Realty Bldg.

★**Cal., Los Angeles** — Janss Investment Co., Metropolitan Bldg., will grade and oil streets, construct cement curbs and sidewalks, lay gas, water and sewer mains in their 60 acre subdivided tract on Las Feliz Rd. and Vermont Ave. Cost to exceed $10,000. Work will be done by day labor under supervision of W. H. Tuck, engr.

Excavation and Dredging

PROPOSED WORK

Miss., Batesville—Ditches—Sub Dist. No. 1, Indian Creek D. D., Panola Co. had plans prepared by Morgan Eng. Co., engrs., Goodwyn Institute, Memphis, Tenn., building 6 mi. open ditches to reclaim 3,200 acres. Work involves 82,500 cu.yd. excav. About $30,000.

Miss., Marks — Ditches — Sub. Dist. 2, Indian Creek D. D., Quitman Co., had plans prepared by Morgan Eng. Co., engrs., Goodwyn Institute, Memphis, Tenn., for 5 mi. open ditches to reclaim 2,300 acres. Work involves 60,000 cu.yd. excav. About $25,000.

Ia., Rockwell City—Drainage—Bd. Supervs. Calhoun Co., rejected bids received Nov. 30, building D. D. 245. R. E. Dixon, aud. Noted Nov. 25.

Wyo., Riverton — Drainage — Riverton Valley D.D. receives bids about March 1.

cavation and Dredging (Continued)

lling 9 mi. 10-21 in. tile drains, involv- 21,500 cu.yd. open ditch excav. P. B. keman, secy. A. H. Ayers, P. O. Box 246, ar.

BIDS DESIRED

N. Y., Brooklyn — Dredging — Until Dec. by E. Riegelmann, boro pres., dredging ewtown Creek, at and in canal basin, in- ded within boundaries of Johnson, Mon- se and Varick Aves., Morgan Rd. and agg St. basin.

N. Y., New York—Dredging—Until Dec. by Comr. Docks, Pier A, North River, dredging at East 101st and 102nd Sts., Har- em River.

Tenn., Somerville—Ditch—Until Dec. 29, y Bd. Dirs. Grays Creek D. D., building 11 mi. ditch down creek valley to reclaim ,600 acres of bottoms lands, Shelby and Fayette Counties, involving 272,300 yds. ex- cav. S. W. McCleskey, 11 South 2nd St., Memphis, engr.

Ill., Jacksonville—Drainage—Until Dec. 23, by Comrs. Mud Creek D.D., Morgan and Cass Counties, at office of Caldwell Eng. Co., engrs., Jacksonville, for drainage work involving 124,000 cu.yd. excav., 4,124 ft. 12-22 in. vitr. clay drain tile, etc.

Ia., Muscatine—Drainage—Until Dec. 20, by F. W. Johnston, aud. Muscatine Co., building D. D. 2; advertised in this issue.

Industrial Works

PROPOSED WORK

N. H., Exeter—A. E. McRell having plans prepared by J. E. Baker, archt., 1008 Elm St., Manchester, for 2 story, 40 x 105 ft. brick and steel garage, concrete founda- tion. About $40,000.

Vt., Springfield—Gilmore & Co. plans to build 2 story, 50 x 150 ft. mill, concrete, brick and steel, rein.-con. flooring, concrete foundation. Architect not selected.

Mass., Brockton—Baker Realty Co., Bel- mont Ave., soon lets contract building 1 story, 120 x 240 ft., mill construction plant, on North Montello St. About $75,000. G. L. Falk, 153 Main St., archt.

Mass., Danvers—C. V. Burgess, archt., 23 Central Ave., Lynn, preparing plans for 2 story, 55 x 120 ft., rein.-con. cold storage plant, rein.-con. flooring, concrete founda- tion. About $75,000. Owners name with- held.

Mass., Oxford.—A. G. Stanhope, 340 Main St., Worcester, plans to build 2 story, 75 x 100 ft., brick and timber, cold storage plant. About $40,000. Project will mature in spring. Architect not selected.

Mass., South Boston (Boston P. O.)— Kendall, Taylor & Co., archts., 93 Federal St., Boston, soon receives bids building 2 story, 25 x 160 ft., concrete, brick and steel, warehouse, rein.-con. flooring, con- crete foundation, on Dorchester Ave., for W. S. Langenbach, 303 Dorchester Ave.

Mass., Worcester—A. F. Mathieu c/o J. Rice, archt., 306 Main St., having plans pre- pared for 2 story, 60 x 180 ft., brick, steel and rein.-con. garage, on Pleasant and Fruit Sts. About $150,000. Project will mature in spring.

R. I., Providence—Nightingale, Baker & Salisbury, Matthewson and Fountain Sts., plan to build a 1 story, 60 x 200 ft., brick and steel or rein.-con. warehouse and 2 story office on West Exchange, Aborn and Cove Sts. About $75,000. Private plans.

Conn., Torrington—A. W. Pickett & Co., Railroad Ave., plans to build 3 story, brick and steel warehouse, on Litchfield St. About $75,000. Architect not selected.

N. Y., Cadyville—International Paper Co., 30 Broad St., New York City, having plans prepared by A. H. White, archt. and engr., 30 Church St., New York City, for hydro-electric plant, on Saranac Rd. About $250,000.

N. J., Trenton—Remington Phonograph Co., 1662 Bway., New York City, purchased 14.83 acre site, here, and plans to build large factory. Architect not selected.

Md., Baltimore—A. Thompson Co., 501 Water St., plans to build 2 story, 100 x 200 ft., brick and concrete printing plant, con- crete foundation, on 29th St. and Pennington Ave. About $75,000. Arcihtect not selected.

W. Va., Huntington — Wilson Creamery Co. having plans prepared by McCormick Co., archts. and engrs., Century Bldg., Pittsburgh, for 2½ story, 75 x 140 ft. ice cream plant, brick and steel, concrete foundation. About $125,000.

N. C., Winston-Salem—Blue Ridge Ice and Coal Co. plans to build ice manufac- turing plant. About $75,000. M. Hinshaw, pres.

WATERWAY—CHICAGO, ILL.

Contract No. 2

Bids were received by Dept. Pub. Wks. & Bldgs, 37 East Jackson Blvd., Nov. 22 for constructing dams, locks and appurtenances across Illinois River at Starved Rock, near Utica, Ill., in connection with the Illinois Lakes to Gulf Waterway, from (A) Thompson, Black & Co., 900 Bell Telephone Bldg.; (B) Bates & Roger Contg. Co., 37 West Van Buren St. The unit bids were as follows:

	A	B
Clearing (lump sum)	$2,000 00	$720 00
Cofferdams, pumping	200,000 00	1,167,650 00
165,000 cu.yd. excavation	7 00	6 50
6,000 sq.ft. channeling	1 00	2 00
71,000 cu.yd. embankment	2 00	3 00
1,000 sq.yd. stone paving	4 00	3 60
501,000 f.b.m. pine and fir timber	100 00	180 00
6 1,000 ft.b.m. white oak timber	400 00	290 00
220,000 lb. structural steel	15	24
53,000 lb. steel castings	35	32
53,000 lb. steel castings	33	31
25,000 lb. gray iron castings	25	25
25,000 lb. gray iron castings	23	23
115,000 lb. steel forgings	40	32
100 cu.yd. No. 1 concrete	16 50	27 50
84,000 cu.yd. No. 2 concrete	13 75	19 50
2,000 cu.yd. No. 3 concrete	13 15	21 00
95,000 lb. metal reinforcement	07	11
1,000 bbl. Portland cement	3 75	4 80
500 lin.ft. wood fence	1 00	1 15
5,000 lin.ft. wire fence	1 25	1 55
2,100 lin.ft. vitrified pipe—6 in. dia	1 00	1 20
1,500 lb. pipe railing	75	95
1,100 lin.ft. fibre conduit, 3-in. dia	65	45
4 acres seeding	200 00	150 00
Ex ended totals	$2,825,040	$4,304,385

O., Cleveland—Mall Motor Co., 632 Su- perior Ave., plans to build 2 story, 120 x 160 ft., rein.-con., brick and steel garage, rein.-con. flooring, brick foundation, on Su- perior Ave. and East 12th St. About $250,- 000. M. Rohrheimer, pres. Christian- Schwarzenberg & Gaede, 1900 Euclid Ave., archts.

O., Cleveland—Bd. Educ. East 6th St. and Rockwell Ave., opens bids about Feb. 15, building heating plant for school on Diana and Darley Aves. About $100,000. F. G. Hogan, dir. W. R. McCornack, East 6th St. and Rockwell Ave., archt.

O, Cleveland—Ohio Granite & Marble Co., 538 Schofield Bldg., plans to build 1 story, brick factory, brick foundation, on Pearl Rd. About $100,000. G. W. Haskins, secy. Private plans.

O., Cleveland—See "Buildings".

O., Cleveland—P. Matzinger, archt., Cax- ton Bldg., soon lets contract building 1 story, 70 x 240 ft., mill construction fac- tory, brick foundation, on Sideway Ave. and East 65th St., for Cleveland Refriger- ating Co., 2996 East 72nd St. About $50,000.

O., Cleveland—Prame Realty Co., c/o J. H. Dickman, 214 Williamson Bldg., having plans prepared by W. S. Lougee, archt., Marshall Bldg., for 1 story, brick and steel garage, brick foundation, at 742 Hamilton Ave. About $50,000.

O., Cleveland—Republic Tool & Mfg. Co., 1399 West 9th St., having plans prepared by G. S. Rider & Co., archts., 1900 Euclid Ave., for 2 story factory and warehouse, brick and steel, brick foundation, on Har- vard Ave. and East 49th St. About $200,- 000. C. E. Lowe, pres.

O., Columbus—Brown Steel Co., 480 Neils- ton St., having plans prepared for 1 story, 55 x 390 ft. brick and steel shop, on Marion Rd. About $75,000. Private plans.

O., Painesville—Middle State Rubber Co., c/o E. Ewing, 708 Williamson Bldg., Cleve- land, having plans prepared by Osborn Eng. Co., archts. and engrs., 2848 Prospect Ave., Cleveland, for 2 story, 60 x 200 ft., rein.- con., brick and steel factory and ware- house, rein.-con. flooring, brick and con- crete foundation. About $200,000.

Ind., Logansport—Sandusky Cement Co., c/o E. J. Maguire, secy., Engineers Bldg., plans to build 1 story, 46 x 102 ft. factory and storage plant, brick and steel, brick foundation. About $50,000. Private plans.

Mich., Grand Rapids—H. L. Mead, archt., Grand Rapids, preparing plans for 4 story, rein.-con., brick and steel factory, concrete foundation. About $85,000. W. W. Brad- field, Grand Rapids, engr. Owner's name withheld.

Ill., Chicago—W. Granger, archt., 36 West Randolph St., opens bids about Jan. 1, building 1 story, 128 x 163 ft., concrete and brick garage, concrete foundation, on Grand Pl. near Clark St., for U. S. Brewing Co., 2519 Elston Ave. About $40,000.

Ia., Cedar Rapids—Hutchinson Ice Cream Co., 519 H St. W., had plans prepared and receives bids about Jan. 10, building 2 story, 60 x 100 ft., rein.-con. and brick factory, on 5th Ave. and 3rd St. E. About $50,000. Hatton, Holmes & Anthony, 323 Masonic Temple, archts.

Wash., Seattle—Goodrich Rubber Co., East Market St., Akron, O., having plans prepared by J. Graham, archt., L. C. Smith Bldg. for 5 story, 120 x 200 ft. brick ware- house on 4th St. S. and Atlantic St., here. About $250,000.

Cal., Burbank — Linoleum & Window Shade Co. having plans prepared for 42 x 201 ft. main building, 25 x 25 ft. warehouse and 20 x 30 ft. office, all hollow tile. Cost to exceed $50,000. Private plans.

Cal., Los Angeles—P. L. Wilson, 631 South Sprague St., plans to build 140 x 150 ft. garage, on Bonnie Brae and 7th Sts. About $70,000. Walker & Eisen, Hibernian Bldg., archts.

Que., Limoilou — Canada Box & Lumber Co., Bergmont Aves., receives bids about Jan. 1, rebuilding plant. About $100,000.

Ont., Goderich—Huron Specialties Cast- ings Co., Clinton, plans to build plant here. About $75,000.

Ont., Guelph — Provincial Government Toronto, plans to construct dairy building in connection with Agricultural College, here. About $100,000. Address M. Doher- ty, Toronto.

Ont., Tilbury—Ontario Flax Co. plans to rebuild flax mill recently destroyed by fire. Loss $75,000.

Ont., Welland—Cross Fertilizer Co., Ltd., plans to build 2 story factory, probably brick and steel. About $250,000. Archi- tect not selected.

Ont., Woodstock—Amer. Ironing Machine Co., 168 North Michigan Ave., Chicago, Ill., plans to remodel factory, here. About $100,000. Private plans.

Man., Brandon—Massey-Harris Co., Ltd., 400 Shelby Ave., Montreal, Que., plans to build brick and steel warehouse, here. About $75,000.

B. C., Prince George—F. Jones, pres. Canada Cement Co., 273 Craig St. W., Montreal, Que., and C. Gordon, pres. Do- minion Textile Co., 112 St. James St., Mon- treal, are interested in company which plans to build pulp and paper plant here, and develop water power on Fraser River at Grand Canyon. Bids will be received in January for above project. About $6,000,000.

B. C., Ruskin—Western Power Co. of Canada, 198 Hastings St. W., Vancouver, has had report made by Creer & Mackenzie, engrs., 837 Hastings St. W., Vancouver, for raising dam and installing additional unit of about 13,000 hp., at Stove Falls.

BIDS DESIRED

N. Y., New York—Until Dec. 20, by Bal- linger & Co., archts and engrs., 329 South Broad St., Phila., Pa., building 3 story, brick warehouse, at 68 Charlton St., here, for J. D. Johnson, 139 North 7th St., Phila. About $100,000.

N. Y., New York—Until Dec. 24, by Dept. Pub. Welfare, Municipal Bldg., furnishing labor and material for (1) general construc- tion (2) refrigerating and ice-making equipment, (3) underground brine line sys- tem in erection and completion of refrig- erating plant, Metropolitan Hospital Dist., on Blackwells Island. B. S. Coler, comr.

N. Y., New York—Until Dec. 24, by Dept. Pub. Welfare, Municipal Bldg., furnishing labor and material required for repairs and additions in new elevator storehouse, on Blackwells Island. B. S. Coler, comr.

Industrial Works (Continued)

O., Cleveland—M. Purer, 2724 East 53rd St., receiving bids building 1 story, 80 x 120 ft., brick and steel garage, brick foundation, at 796 East 105th St. About $40,000. M. Orlin, 2909 East 112th St., archt.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★Me., Rockland — Rockland & Rockport Lime Co., 45 Milk St., Boston, will construct plant consisting of 6 lime kilns and gas producers, 1 story, 35 x 100 ft. main building and 2 story, 60 x 108 ft. lime storage and packing house, all steel and concrete, concrete foundations. Steel contract let to Virginia Bridge and Iron Co., Roanoke; steel erection, to Boston Bridge Wks., 47 Winter St., Boston; balance of project will be done by day labor. Noted Mar. 11.

★Mass., Dorchester (Boston P. O.)—I. Lesser, 3 Fayston St., Roxbury, will build 1 story, 100 x 125 ft., brick and concrete garage, rein.-con. flooring, concrete foundation, on Mt. Vernon St., here. About $40,000. Work will be done by day labor.

★N. Y., Brooklyn— Victory Operating Co., c/o S. Millman, archt., 26 Court St., will build 1 story, 115 x 140 ft., brick and steel garage, rein.-con. flooring, concrete foundation, on Parkside Ave. between Rogers and Nostrand Aves. About $45,000. Work will be done by day labor.

★N. Y., New York—Fernecliffer Garage, Inc., c/o De Rose & Cavalieri, archts. and engrs., 370 East 149th St., will build 1 story, 120 x 125 ft., brick and steel garage, rein.-con. flooring, concrete foundation, on 3rd Ave. near Franklin Ave.. About $75,000. Work will be done by day labor.

★N. Y., New York—T. Phelan, c/o Moore & Landseidel, archts. and engrs., 148th St. and 3rd Ave., will build 1 story, brick, steel and concrete garage, rein.-con. flooring, concete foundation, on Burnside Ave. About $50,000. Work will be done by day labor.

★N. Y., New York — Dorsma Garage Corp., c/o F. J. Schefeick, archt., 4168 Park Ave., will alter 1 story garage, and build 1 story, 55 x 115 ft. addition to same, brick and steel, rein.-con. flooring, concrete foundation, at 1016 St. Nicholas Ave. About $45,000. Work will be done by day labor.

N. Y., New York., M. C. Haims, c/o H. Lippman, archt. and engr, 126 East 59th St, will build 4 story, 34 x 98 ft. brick and stone garage, rein.-con. flooring, concrete foundation, at 130-132 East 41st St. About $40,000. Work will be done by day labor.

★N. Y., New York—United Electric Light & Power Co., 130 East 15th St., let contract building power house, on 134th St. and East River, to U. S. Structural Co., 841 Bway. About $4,500,000. Noted Oct. 21.

★Pa., Hollidaysburg—E. H. Brua, 319 Allegheny St., and L. A. Brua, 304 Pennsylvania St., will build 2 story, 60 x 120 ft., rein.-con. and brick garage and storage warehouse, on Blair and Union Sts. Work will be done by day labor.

★Md., Baltimore—W. E. Hooper & Sons Co., Parkdale Rd., let contract building 2 and 1 story, 28 x 34 ft. and 12 x 49 ft., concrete, brick and steel machine shop additions, concrete foundation, on Parkdale Rd. and Druid Hill Park, to Whiting-Turner Constr. Co., Stewart Bldg. About $60,000.

★N. C., Gastonia—Arkray Mills let contract building 2,000 spindle cotton mill, rein.-con. and steel, rein.-con. flooring, concrete foundation, to Turner Constr. Co., 244 Madison Ave., New York City. About $750,000.

★La., Bastrup—L. H. Fox let contract constructing reduction plant, to include three 2 story, 50 x 200 ft. buildings, rein.-con. and steel and four 1 story, 30 x 60 ft. buildings, wood and steel, to Widmer Eng. Co., Century Bldg., St. Louis, Mo. About $200,000.

★O., Cleveland—See "Buildings."

★O., Cleveland—Glenville Hospital, c/o A. White, 701 Parkwood Dr., let contract building 2 story, 40 x 40 ft., rein.-con., brick and steel boiler house and laundry addition, rein.-con. flooring, brick foundation, to Lehder Constr. Co., Engineers Bldg. About $40,000.

★O., Cleveland—W. S. Tyler Co., East 36th St. and Superior Ave., let contract building 4 story, 60 x 260 ft., rein.-con., brick and steel factory, rein.-con. flooring, brick and concrete foundation, to S. W. Emerson Co., 1900 Euclid Ave. About $200,000. Noted Dec. 2.

★O., Cleveland—Cataract Motor Sales Co., 8812 Bway., let contract building 3 story, 77 x 250 ft., rein.-con., brick and steel garage, rein.-con. flooring, brick and concrete foundation, at 8807 Bway., to Craig Curtis Co., East 46th St. and Prospect Ave. About $150,000. Noted March 11.

★Ill., Area—See "Buildings."

★Ill., Chicago—Narowetz Heating & Ventilating Co., 223 West Lake St., let contract building 1 story, 81 x 132 ft., concrete and brick factory, concrete foundation, 1711-17 West Park Ave., to Erickson & Johnson, c/o A. S. Alshuler, archt., 28 West Jackson Blvd. About $75,000.

★Ill., Chicago—Railway Steel Spring Co., 30 Church St., New York City, let contract building concrete, brick and steel addition to factory, rein.-con. flooring, concrete foundation, on Chicago Heights, here, to McClintic-Marshall Co., 50 Church St., New York City. About $60,000.

★Ind., Lafayette—Chicago, Indianapolis & Louisville Ry. Co. (Monon Route), 608 South Dearborn St., Chicago, let contract building 1 story, 85 x 440 ft. car repair shop, brick and concrete, concrete foundation, here, to A. E. Kemmer, 644 North 7th St. About $105,000.

★Mo., Maplewood (St. Louis P. O.) — St. Louis Paper Can & Tube Co. let contract building 1 story, 200 x 540 ft., concrete, brick and steel factory, on Big Bend Rd. along tracks of Missouri Pacific R.R., to Widmer Eng. Co., Century Bldg., St. Louis. About $500,000.

★Cal., Los Angeles—See "Buildings."

Buildings

PROPOSED WORK

Me., Houlton — Bank — Farmers Natl. Bank plans to build brick and stone, on Market Sq. About $75,000. E. L. Higgins, 95 Exchange St., Portland, archt.

N. H., Portsmouth—Surgical—Portsmouth Hospital, Junkins Ave., having sketches made by Kendall, Taylor & Co., archts. and engrs., 93 Federal St., Boston, for 3 story, concrete, brick and steel, concrete foundation. About $150,000.

Mass., Amherst — Laboratory — Massachusetts Agricultural College plans to build physics laboratory on campus. About $200,000. Architect not selected.

Mass., Cambridge (Boston P. O.) — Restaurant—Albiani Lunch, 150 High St., Boston, plans to alter and build addition on Massachusetts Ave. and Pearl St., here. About $100,000. Private plans.

Mass., Gardner — School — City plans to build 2 story addition on Prospect St. About $75,000. O. A. Hoban, chn. school comn. Architect not selected.

Mass., Framingham—Church and Parish House—First Parish Unitarian Church, having plans prepared by C. M. Baker, archt., 67 Milk St., Boston, for 1 story, 45 x 96 ft. church and 2 story 40 x 75 ft. parish house, brick and concrete. About $80,000.

Mass., Linwood—School—Church of Good Shepard rejected bids building 2 story, 62 x 88 ft. concrete, brick and steel, rein.-con. flooring, concrete foundation. About $75,000. Project postponed until spring. Private plans. Noted Nov. 18.

Mass., Pittsfield—Bank—Berkshire Loan & Trust Co., 24 North St., plans to build bank on North and School Sts. About $75,000. M. Engrand, chn. bldg. com. Architect not announced.

Mass., Roslindale (Boston P. O.)—Club—Masonic Apartments, Mt. Vernon St., Boston, had plans prepared by H. B. Alden, archt., and engr., 15 Exchange St., Boston, for 3 story, 70 x 112 ft., concrete and steel, concrete foundation, on Belgrade Ave., here. About $75,000.

Mass., Springfield — Church — Liberty Methodist Church, 4 Harvard St., plans to build 1 story, on Carew, Liberty and Stockman Sts. About $75,000. C. O. Ford, supt. Architect not selected.

Mass., Springfield — Club — Associated Lodges of Odd Fellows, 182 Summer Ave., having plans prepared by E. C. and G. C. Gardner, archts., 33 Lyman St., for 4 story, brick and stone. About $100,000. L. W. White, chn.

Mass., Springfield — Community — First Baptist Church having plans prepared by H. L. Sprague, archt., 310 Main St., for brick community building and parish house. About $75,000.

Mass., Springfield — High School — Bd. Educ. plans to build 3 story, concrete, brick and steel. About $800,000. Architect will soon be selected from competitive plans. Noted Nov. 25.

Mass., Springfield—Memorial—City plans to build brick and steel, to contain assembly hall, club rooms, meeting rooms, etc. About $200,000. Architect not selected.

N. J. Lyndhurst (Rutherford P. O.)—School—Bd. Educ. plans to build P. S. 7, 2 story, 81 x 146 ft., brick and concrete. About $190,000. A. L. Vegliante, 42 [illegible] saic Ave., Garfield, archt.

R. I., Pawtucket—Restaurant—J. [illegible] Coats Inc., 366 Pine St., plan to build story, 44 x 230 ft. mill construction plant. About $75,000. Private plans.

Conn., Bristol—Club—B. P. O. E., South St., plans to build 2 story, brick concrete addition. D. F. Crowley, 192 [illegible] St., archt.

Conn., Hamden (New Haven P. O.) Temple—F & A Masons of Hamden plan build brick and steel, on Whitney [illegible] About $75,000. Architect not selected.

Conn., Hartford—Hotel—Heublein H[illegible] 98 Wells St., rejected bids and having revised plans prepared by Lockwood, Gre[illegible] & Co., archts., 60 Federal St., Boston, altering 6 story, on Wells and Mulb[illegible] Sts. About $75,000. Noted Dec. 2.

Conn., Manchester—School—City plans build 2 story, brick and steel, in Manches[illegible] Green Dist. About $75,000. Architect not announced.

Conn., Meriden—Hospital—Meriden C[illegible] Hospital, Cook Ave., plans to build additio[illegible] About $300,000. C. S. Palmer, 114 Whi[illegible] ney, Ave., New Haven, archt. Noted July 22.

Conn., Middletown—Hospital—Middlesex Hospital, 28 Crescent St., rejected bids and having revised plans prepared by Buck & Sheldon, Inc., archts., 60 Prospect St., Hartford, for 3 story, 40 x 100 ft., concrete brick and steel addition. About $250,000. Noted Nov. 11.

Conn., New Britain — Club — Palmer & Ludorf, archts., Mutual Bldg., soon receive bids building 3 story, concrete, brick and steel, rein.-con. flooring, concrete foundation, on Franklin Sq., for Knights of Columbus (Daly Council), 434 Main St. About $200,000. Noted Aug. 5.

Conn., New Britain—Home and Club—Polish Home Inc., c/o Palmer & Ludorf archts., Mutual Bldg., had plans prepared for 4 story, 70 x 150 ft., concrete, brick and steel, rein.-con. flooring, concrete foundation, on North St. About $200,000.

Conn., New Britain—Synagogue—Sons of Isreal plan to build 1 story, brick and steel on Summer and Winter Sts. About $75,000. Address S. W. Menur, 398 Main St. Architect not announced.

Conn., Putnam—Business — Kaminsky & Wolfe, 160 Providence St., plan to build 2 story, brick and rein.-con., on Main St. About $75,000. Private plans.

Conn., Rockville—Theater and Store—A. M. Burke, 6 Village St., plans to build on Park St. About $75,000. Architect not selected.

Conn., Thomaston—High School—Town plans to build brick, concrete and steel, on Grand and Main Sts. About $150,000. F. A. Webster, 51 West Main St., Waterbury, archt. Noted Mar. 4.

Conn., Waterbury — Armory — Military Emergency Bd., State Armory, Hartford, having plans prepared by Payne, Griswold & Keefe, archts., Manwaring Bldg., New London, for 3 story, brick, concrete and steel, on Field St., here. Cost between $350,000 and $400,000. Noted Nov. 25.

Conn., Watertown—Church—Italian Congregational Church having plans prepared by F. A. Webster, archt., 51 West Main St., for 2 story, brick and steel, on Union St. About $100,000.

N. Y., Brooklyn—Exchange—New York Telephone Co., 15 Dey St., New York City, having sketches made by McKenzie, Voorhees & Gmelin, archts., 1123 Bway., New York City, for rein.-con., brick and steel, rein.-con. flooring, concrete foundation, on Willoughby Ave. and Bridge St. About $1,000,000.

N. Y., Rochester—Hotel—Gordon & Kaelber, Sibley Blk., soon let contract building 9 story, rein.-con., brick, steel, stone and terra cotta, rein.-con. flooring, concrete foundation, on East Ave. J. A. Armstrong, 127 North Dearborn St., Chicago, archt. Noted Aug. 5.

Pa., Harrisburg—Hospital—Dir. Polyclinic Hospital, Front and Harris Sts., opens bids about March 1, building 3 story, 55 x 120 ft., brick, concrete and steel, M. I. Kast and T. M. Keiker, 222 Market St., archts.

Pa., Phila. — Church — Berean Baptist Church, care of G. W. Savage, archt. Witherspoon Bldg., plans to build 1 story, stone, at 59th and Pine Sts. About $100,000.

Pa., Pittsburgh—Theatre and Stores—Rowland & Clark Theatre Co., Jenkins Arcade, having plans prepared by H. S. Baer, archt., Vandergrift Bldg., for 2½ story, 70 x 160 ft., brick and steel, rein.-con. flooring, on Murray Ave. and Darlington St. About $200,000.

uildings (Continued)

Md., Baltimore — Office — Union Trust dg. Co., Fayette and Charles Sts., having ans prepared by J. Pennington, archt., 330 orth Charles St., for 2 story, 100 x 250 , brick and steel addition. About $75,000. M. Dennis, pres.

W. Va., Huntington—Y. M. C. A. plans ampaign in February to raise $300,000 construct building.

W. Va., Weirton—Theatre—B. Rabinovitz eceives bids about April 1 building 1 story 0 x 132 ft. brick, terra cotta, concrete, arble and tile. M. F. Gresey, German Bank Bldg., Wheeling, archt.

Fla., Tampa—Exhibt—Southern Florida air Assn., Penn. Telephone Bldg., having lans prepared by Logan Bros., archts. and ngrs., 305 Dawson-Thornton Bldg., for 2 story, 50 x 225 ft. concrete, at Fair Grounds About $75,000.

O., Akron—Theater and Office—J. Eberson, archt., 64 East Van Buren St., Chicago, Ill., soon lets contract building 10 story, 133 x 225 ft., rein.-con., rein.-con flooring, concrete foundation, for Akron Prospect Co., here. About $1,250,000.

O., Cleveland—Church—East Glenville Methodist Episcopal Church, care of E. M. Lewis, pastor, 12701 St. Clair Ave., plans campaign to raise $150,000 to build 1 story, brick, steel and stone, brick foundation, on Lancelot and St. Clair Aves. Architect not selected.

O., Cleveland—Commercial—M. Gusman, care of Import Dry Specialties Co., 326 Champlain Ave., plans to build 3 story, rein.-con., brick and steel, rein.-con. flooring, brick and concrete foundation, on Prospect Ave. and East 30th St. About $300,000. Architect not selected.

O., Cleveland—Commercial, etc.—Realty Syndicate Co., care of F. Riley, 309 Williamson Bldg., opens bids about Dec. 20, constructing 4 story, 116 x 240 ft. commercial building and garage, rein.-con., brick and steel, rein.-con. flooring, brick and concrete foundation, on East 79th St. and Hough Ave. About $300,000. J. M. Dyer, Ulmer Bldg., archt.

O., Cleveland—Commercial—A. D. Taylor, 1900 Euclid Ave., plans to build 3 story, rein.-con., brick and steel, rein.-con. flooring, brick foundation, at 4412 Prospect Ave. About $100,000. Architect not selected.

O., Cleveland—Restaurant—Peacock-Inn Co., c/o H. Lee, 304 Superior Ave., having plans prepared by Serv. Constr. Co., archts., 6110 Euclid Ave., for remodeling 1 story, marble and iron, at 2010 Euclid Ave. About $100,000. Noted Nov. 25.

O., Cleveland — School — Bd. Educ., East 6th St. and Rockwell Ave., had plans prepared by W. R. McCornack, archt., East 6th St. and Rockwell Ave., 1 story, 210 x 350 ft., rein.-con., brick and steel, rein.-con. flooring, brick and concrete foundation, on Diana and Darley Aves. About $750,000. F. Hogan, clk. Noted June 10.

O., Cleveland—School—Bd. Educ., East 6th St. and Rockwell Ave., having plans prepared by W. R. McCornack, archt., East 6th St. and Rockwell Ave., for 1 story, rein.-con., brick and steel, rein.-con. flooring, brick foundation, on Broadview Ave. and Spring Rd. About $750,000. F. G. Hogan, clk.

O., Cleveland—Theatre and Commercial —P. Jacobson and A. J. Heiman, c/o N. Petti, archt., Williamson Bldg., plans to build 2 story, 60 x 110 ft., brick and steel, brick foundation, on East 60th St. and St. Clair Ave. About $150,000.

O., Cleveland—Theatre and Offices—M. Makof, 3533 Woodland Ave., plans to build 15 story, 50 x 130 ft., rein.-con., brick and steel, rein.-con. flooring, brick and concrete foundation, at 1882 East 9th St. About $2,000,000. Architect not selected.

O., Conneaut—High School—Bd. Educ. having preliminary plans prepared by Bartholomew, McCullough & Smith, archts., Ferguson Bldg., Pittsburgh, Pa., for 2 story, 200 x 250 ft., fireproof, on Watson St. About $350,000.

O., De Graff—School—Bd. Educ. plans to build 2 story, 120 x 125 ft., rein.-con. and brick, rein.-con. flooring, concrete foundation. About $160,000. G. R. Walker, Conover Bldg., Dayton, archt.

O., Findlay — Children's Home — Comrs. Hancock Co. having plans prepared by Glass & Austin, archts., Gas Co. Bldg., Columbus, for 2 story, 40 x 110 ft., brick and concrete. About $100,000.

O., Steubenville—Theatre—G. Shafer, 1103 Chapline St., Wheeling, W. Va., purchased site here, and plans to build 3 or 4 story theatre, 2,000 seating capacity. About $300,000. Architect not selected.

Ind., Flint—School—D. O. Oury, trustee, Angola, receives bids in January, building 2 story, 80 x 80 ft., brick, here. About $75,000. A. H. Ellwood & Son, Elkhart, archts.

Ind., Hammond—School—Bd. Educ. plans to build 2 story, 100 x 150 ft., brick and stone. About $100,000. J. T. Hutton & Son, Hammond, archts.

Ind., Hartford City—Hospital—Comrs. Blackford Co. plan to build 2 story, 75 x 100 ft., brick and stone. About $85,000. E. H. Turnock & Son, Elkhart, archts.

Ind., Indianapolis—Clubhouse—Park Bd. plans to build 2½ story, 75 x 140 ft., rein.-con. hollow tile and stucco, in Riverside Park. About $100,000. J. Parish, City Engrs. Dept., City Hall, archt.

Mich., Detroit—Lodge House—Palestine Assn., 510 Fort St., having plans prepared by A. E. Harley, archt., care of Com. of Architects, 2631 Woodward Ave., for 10 story, 150 x 180 ft. rein.-con., brick, stone and steel, rein.-con. flooring concrete foundation, on Charlotte St. About $2,000,000.

Mich., Detroit—Theatre and Office—Tatli & McKay, care of P. R. Rossello, archt., 406 Congress Bldg., having plans prepared for 2 story, 123 x 146 ft. rein.-con., brick and steel, concrete foundation, on Shoemaker and Hurlbut Aves. About $150,000.

Mich., Grand Rapids — High School — Catholic Central High School having plans prepared by H. L. Mead, archt., Grand Rapids, for 4 story rein.-con., brick and steel, rein.-con flooring, concrete foundation. About $300,000.

Mich., Lansing—Industrial College—Michigan State Industrial School, East Lansing St., plans to construct new institution, comprising 36 buildings. F. M. Landon, ch. engr.

Mich., Ontonagon — Bank — First Natl Bank having plans prepared by A. Moorman & Co., archts., Chamber of Commerce Bldg., St. Paul, for 2 story, 32 x 70 ft. rein.-con., brick and tile. About $80,000. B. F. Barze, cashier.

Mich., Wakefield—Memorial—City having preliminary plans prepared by Herbst & Kuenzli, archts., Caswell Blk., Milwaukee, Wis., for 2 story, concrete, brick and steel, rein.-con. flooring, concrete foundation. About $250,000.

Ill., Champaign—Church—W. E. Frawley, 409 West Clark St., having plans prepared by Z. T. Davis, archt., 64 East Van Buren St., Chicago, for 1 story, 60 x 125 ft., rein.-con. and stone, rein.-con. flooring, concrete foundation. About $200,000.

Ill., Chicago—Bank—Z. T. Davis, archt., 64 East Van Buren St., preparing plans and opens bids in May, building 2 story, 38 x 125 ft., rein.-con. and lime stone, rein.-con. flooring, concrete foundation, for West Englewood Savings Bank, Marshfield Ave. and 63rd St. About $125,000.

Ill., Cicero—School—Ashby, Ashby & Schulze, archts., 178 West Jackson Blvd., Chicago, soon let contract building 2 story, 60 x 100 ft., rein.-con. addition, concrete foundation, on 58th and West 18th Sts., for D. H. Burham School, here.

Ill., Evanston — Church — First Baptist Church having plans prepared by Tallmadge & Watson, archts., 189 West Madison St., Chicago, for 1 story, rein.-con. and steel, concrete foundation. About $175,000. pared by Tallmad

Ill., Hillsdale—School—Bd. Educ. receives bids in February building high school. About $75,000. Cervin & Horn, 310 Safety Bldg., Rock Island, archts.

Ill., Moline—Church—Sacred Heart Parish, 419 East 11th St., plans to build 1 story, 40 x 85 ft., rein.con. and stone, rein.-con. flooring, concrete foundation. About $200,000. Z. T. Davis, 64 East Van Buren St., Chicago, archt.

Wis., Antigo — High School — Bd. Educ. having plans prepared by Oppenhamer & Obel, archts., Wausau, for junior high school 2 story, concrete and brick, rein.-con. flooring, concrete foundation. About, $200,000. Noted Dec. 2.

Wis., Chippewa Falls — School — Bd. School Trustees receives bids about Feb. 1, building junior and vocational school, 2 story, 125 x 160 ft., rein.-con., brick and tile, rein.-con. flooring, concrete foundation. About $150,000. Beers, Schlintz & Bailey, Chippewa Falls, engrs. and archts.

Wis., Durand—School—Bd. Educ. having plans prepared by Oppenhamer & Obel, archts., Wausau, for high and grade school, 2 story, concrete, brick and tile, rein.-con. flooring, concrete foundation. About $100,000. H. Miles, secy. Noted Aug. 26.

Wis., Fond du Lac—School and Sisters' Home—St. Patrick's Catholic Church having plans prepared by J. F. Stepnoski, archt., 144 Marquette Ave., for rein.-con. and brick. About $75,000. B. M. Millich pastor.

Wis., Kenosha—Club House—Knights of Columbus, c/o W. Burke Bldg., receiving sketches for 2 or 3 story, 80 x 100 ft., concrete and brick, rein.-con. flooring, concrete foundation, on Market Sq. About $150,000. Architect and engineer not selected.

Wis., Milwaukee—Memorial—Civic Comm. plans to build rein.-con., brick, stone and steel, rein.-con. flooring, concrete foundation, on 8th and Cedar Sts. About $1,500,000. D. W. Hoan, City Hall, mayor. Architect and engineer not selected.

Ia., Burlington—Church and Community —St. Paul Methodist Church having plans prepared for 2 story, rein.-con., brick and stone, on North Hill St. About $100,000. W. Ludwig, pastor. Architect not announced.

Ia., Dubuque—High School—Bd. Educ. having plans prepared by J. W. Foyer, archt., Urbana, Ill., for 3 story, rein.-con., brick, tile and steel. About $500,000. L. Palen, secy.

Ia., Dubuque—Home—St. Joseph Mercy Hospital, Peacock and James Sts., receives bids in spring building superstructure of novitiate mothers house, rein.-con. and brick, on Asbury Rd. About $100,000. Architect not announced.

Ia., Fayette—College—Bd. Trustees Upper Iowa University, plans campaign to raise $1,000,000 to build college. Architect not announced.

Ia., Ft. Dodge—Hospital—Lutheran Congregations in Webster, Pocahontas, Calhoun, Hamilton, Boone and Greene Counties, care of J. M. Herbst, Webster City, plan to build 3-4 story, rein.-con., brick and tile, here. About $450,000. Architect not announced.

Ia., Lenox—Memorial Community—City plans to build 3 story, rein.-con. and brick, to include auditorium and gymnasium. About $200,000. W. R. George, clk. Architect not selected.

Ia., Ottumwa—Church—Roman Catholic Church receives bids about Jan. 3, building 1 story, 65 x 120 ft., rein.-con. and brick. About $75,000. F. M. Hoppman, pastor. H. P. Hess, 4811 Brilliant Ave., St. Louis, Mo., archt.

Ia., Sioux City — Administration — Bd. Educ. having plans prepared by Beuttler & Arnold, archts., 235 Grain Exch. Bldg., for 3 story, 138 x 138 ft., rein.-con., brick and steel, rein.-con. flooring, concrete foundation. About $200,000.

Ia., Sioux City—Hospital, Police and Fire Stations— City plans to build 3 story, 150 x 150 ft., rein.-con. and brick, on 5th and Iowa Sts.; police and fire stations will occupy first and second floors, hospital, third floor. About $225,000. Address J. B. Mann., Pub Safety Dept. Architect not selected.

Ia., Washington — Hotel — Washington Hotel Co. having plans prepared by C. A. Dieman & Co., archts., 408 Granby Bldg., Cedar Rapids, for 4 story, 60 x 120 ft., rein.-con., brick and tile. About $350,000. J. M. Wilson, pres.

Minn., Bellingham — High School — Bd. Educ. having plans prepared by Croft & Boerner, archts., 1006 Marquette Ave., Minneapolis, for 2 story, 50 x 140 ft. rein.-con. and brick. About $80,000. J. L. Mittelstadt, clk.

Minn., Duluth—Hospital—T. W. Hugo, chn. Miller Memorial Hospital Bd. receives bids about April 1, building 3 story, 100 x 200 ft. rein.-con., brick steel and tile, rein.-con. flooring, concrete foundation, on 5th Ave. E and 2nd St. About $250,000. German & Jenssen, Exch. Bldg., archts.

Minn., Hendricks—School—Bd. Educ. having plans prepared by K. T. Snyder, archt., 739 Plymouth Bldg., Minneapolis, for 2 story, rein.-con., brick and tile. About $75,000. N. O. Lien, clk.

Minn., Minneapolis — Auditorium — Civic Music League, 806 Nicollet Ave., plans to build 10 story, rein.-con., brick, tile and stone. About $1,000,000. F. J. Miller, pres. Bertrand & Chamberlin, 606 Northwestern Bank Bldg., archts.

Minn., Minneapolis — Clubhouse — James Ballantyne Post, Veterans of Foreign Wars, care of J. J. Walsh, 3100-3rd Ave., S., having plans prepared by Forsell & Lindell, 319 Meyers Arcade and E. R. Ludwig, 512 Essex Bldg., associated archts., for 2 or 3 story, 92 x 128 ft. rein.-con. and brick on Lake St. and Harriet Ave. About $100,000.

Minn., Minneapolis — High School — Bd. Educ. having plans prepared by E. H. Enger, archt., 305 City Hall, for 2 or 3 story, rein.-con., brick, steel and tile, on 6th St. and 13th Ave. S. E. About $700,000.

Buildings (Continued)

Minn., Minneapolis — High School — Bd. Educ. having plans prepared by E. H. Enger, archt., 305 City Hall, for Nokomis Junior High School, 2 or 3 story, rein.-con., brick, steel and tile, on 20th Ave. S. and 41st St. About $700,000.

Minn., Sherburne — High School — Bd. Educ. plans to build 2 story, rein.-con., brick and tile. About $85,000. J. Schott, Clk. Architect not selected.

Kan., Wichita—Office—G. Theis, Jr., Schweiter Bldg., plans to build 14 story, 150 x 150 ft., at 113 North Lawrence St. About $500,000. Engineer and Architect not selected.

S. D., Philip — School — Consolidated School Dist., Iowa Twp., Haakon Co., plans to build 2 story, rein.-con., brick and tile. About $75,000. N. Duryea, co. supt. Architect not selected.

S. D., Redfield—Memorial—Citizens Com., c/o M. C. Johnson, Aberdeen, plan to build 2 or 3 story rein.-con., brick and tile, here. About $100,000. Architect not announced.

S. D., Sioux Falls—Memorial—State Building Comn., Robinson Pierre, plans to build 2 or 3 story, rein.-con., brick and stone soldiers' memorial, here. About $200,000. Architect not announced.

S. D., Watertown — High School — Bd. Educ. plans to build 2-3 story, rein.-con., brick, tile and steel. About $250,000. M. A. Herzel, clk. Architect not selected.

S. D., Langdon—Hospital—Cavalier Co. and other organizations plan to build 3 story, soldiers' memorial hospital, concrete, brick and steel. About $200,000. Architect not announced.

Tex., San Antonio—Hospital—A. B. Ayres, archt., Bedell Bldg., opens bids about Jan. 15, building 4 story, rein.-con., brick and stone addition, on Houston St. About $400,000. Owners name withheld.

Okla., Miami—Theatre—G. G. Robinson having plans prepared by F. W. Hunt, archt., Miami, for 2 story, 40 x 120 ft., rein.-con., steel and brick, rein.-con. flooring, concrete foundation. About $75,000.

Utah, Salt Lake City—Club—B. P. O. E. 85, 59 South State St., plan to build 6 story, rein.-con., on South Temple St. About $400,000. Scott & Welch, Dooly Bldg., archts. and engrs.

Utah, Salt Lake City—High School—Bd. Educ. soon lets contract building 2 story, 68 x 218 ft. Junior High School, rein.-con. and brick. F. D. Rutherford, 669 2nd Ave., archt. and engr.

Wash., Seattle — Education Hall — University of Washington, University Campus, having plans prepared by Bebb & Gould, archts., Securities Bldg., for 4-story, 75 x 225 ft. About $330,000.

Cal., Los Angeles — Church — St. John's Episcopal Church having plans prepared by B. C. Goodhue, archt. and engr., 2 West 47th St., New York City, for brick and stone, on Figueroa and Adams Sts. About $500,000.

Cal., Los Angeles—Church—West Adams Presbyterian Church plans to build church on West Adams and Juliet Sts. About $150,000. W. H. Fishburn, 2101 Bonsallo St., pastor.

Cal., Los Angeles—Hotel—McCarthy Co., Union Oil Bldg., having plans prepared for addition to New Hotel Bway., on Hill St. About $150,000. Architect not announced.

Cal., Pasadena—Y. M. C. A., 721 South Hope St., having preliminary plans prepared by J. Morgan, archt., Merchants Bank Bldg., San Francisco, for new building. About $350,000.

Cal., San Diego—High School—Bd. Trustees having plans prepared by T. C. Kistner, archt., 1st Natl. Bank Bldg., for high school for Crossmont Union School Dist. About $110,000. A. B. Foster, pres.

Cal., San Luis Obispo — Schools — City plans election to vote on $373,000 bonds for construction of new schools and remodeling of old ones. O. L. Clark, San Luis Obispo, and J. J. Donavan, 414 13th St., Oakland, archts.

Cal., Santa Barbara—Pavillion—Syndicate is being formed to erect concrete pavillion, on West Cabrillo Blvd. About $80,000. H. B. Osgood, 329 West Ortego St., pres. and archt.

Ont., Brantford — School — Bd. Educ. plans to build 3 story, 30 room concrete, brick and steel, rein.-con. flooring, concrete foundation. About $300,000. Architect not selected.

Ont., Gravenhurst—Hospital—Bd. Governors, Muskoka Free Hospital for Consumptives, receives bids in January constructing hospital here. About $25,000.

Ont., Hamilton — School — Dept. Educ., Toronto, soon receives bids building technical school here. About $600,000.

Ont., London—High School—Bd. Educ. care of R. M. McElheran, Hydro Offices, having plans prepared by L. E. Carrothers, archt., Hydro Offices, and receives bids about Feb. 1, building three 2 story, 100 x 220 ft., brick and stone. About $750,000.

Ont., Ottawa—Hospital—Grey Nuns, Water St., plan to build 3 story, rein.-con. and steel addition, rein.-con. or hollow tile flooring, concrete foundation. About $200,000. Architect not selected.

Ont., Windsor—School—Bd. Educ. plans to build 3 story, 30 room, rein.-con., brick and steel, rein.-con. flooring, concrete foundation. Architect not selected.

BIDS DESIRED

N. Y., New York—Office—Until Dec. 20, by Ballinger & Perrott, archts. and engrs., 47 West 34th St., building 2 story, brick and stone, brick foundation, on Charlton St., for J. D. Johnson, Cliff St. About $100,000. Noted Nov. 18.

N. J., Linwood—Club and Locker House, etc.—Until Dec. 23, by McLanahan & Bencker, archts., Bellevue Court Bldg., Phila., constructing two 2 story, 60 x 150 ft., concrete and granite, for Linwood Country Club. About $75,000. Noted Oct. 14.

Pa., Pittsburgh—Bank and Office—Until Dec. 20, by Trowbridge & Livingston, archts. and engrs., 527-5th Ave., New York City, building 4 story, 120 x 130 ft., brick and steel, brick foundation, on Smithfield St., for Mellon Natl. Bank, 514 Smithfield St. Noted Jan. 29.

Md., Baltimore—Hospital—University of Maryland, Greene and Lombard Sts., receiving bids building 4 story, 48 x 250 ft., rein.-con., brick and steel addition, concrete foundation. About $75,000, J. M. Rowland, dean. Flourney & Flourney, 306 St. Paul St., archts.

Ky., Lexington—Dormitory—Until Dec. 20, at office of F. L. McVey, pres. University of Kentucky, building 3 story, brick and steel, rein.-con. flooring, concrete foundation. About $75,000. Coolidge & Shattuck, 122 Ames Bldg., Boston, archts.

O., Niles—Hospital—Niles City Hospital receiving bids building 3 story, 50 x 120 ft., rein.-con., brick and steel, rein.-con. flooring, brick foundation. About $100,000. Thayer & Johnson, New Castle, Pa., archts.

Ind., Ft. Wayne—School—Bd. Educ. receiving bids building 2 story, 80 x 100 ft., rein.-con. and brick, rein.-con., maple and terrazzo flooring. About $200,000. G. Mahurin, Indianapolis, archt. Snider & Rotz, 703 Merchants Bank Bldg., Indianapolis, engrs.

Ind., Indianapolis—School—W. H. Evans, trustee, 412 Saks Bldg., receiving bids constructing 2 story, 60 x 90 ft., brick and Bedford stone addition to school in Center Twp. About $95,000. E. J. Ostling, Indianapolis, archt.

Mich., Eloise—Hospital and Home—Until Dec. 31, by McFarlan, Maul & Lenz, archts., 1259 David Whitney Bldg., Detroit, building 3 story, 100 x 200 ft., rein.-con., brick and steel, rein.-con. flooring, concrete foundation, here, for Wayne Co. Poor Bd., c/o E. J. Jeffries, pres., 1804 West Grand Blvd., Detroit. About $300,000. Noted June 24.

Wis., Spooner—High School—Until Jan. 17, by Bd. School Trustees, building junior high school, 2 story, 75 x 130 ft., rein.-con. and brick, rein.-con. flooring, concrete foundation, on Main St. About $75,000. W. L. Alban, 347 Endicott Bldg., St. Paul, Minn., archt. and engr.

Kan., Oakley—Business—L. L. Moore, Merchant Co. & F. E. Churchill Hardware Co. receiving bids for 2 story, 76 x 110 ft., rein.-con., steel and brick, rein.-con. flooring and concrete foundation. About $85,000. C. W. Shaver, Salina, archt.

Tex., Lubbock—Hospital—Until Jan. 20, by H. T. Phelps, archt., Gunter Bldg., San Antonio, building 4 story, 50 x 105 ft., rein.-con and stone, for West Texas Sanitarium Assn. About $100,000.

Cal., Atascadero—High Schools—Until Dec. 20, by Bd. Trustees, Margarita Blk., Union High School Dist., building new schools. About $200,000. E. B. Dykes, 305 Administration Bldg., clk.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Mass., Malden** (Boston P. O.)—Parish House—Sacred Heart Roman Catholic Church, Main St., let contract building 2 story, 55 x 65 ft., brick and tile, concrete foundation, to J. F. Griffin Co., 17 Milk St., Boston. About $75,000.

★**Mass., New Bedford** — Schools — Educ. let contracts building P. S. story, 170 x 250 ft., on Rochambe and P. S. 2, 2 story, 173 x 250 ft. o Pleasant St., concrete, brick and rein.-con. flooring, concrete foundatio J. W. Bishop Co., 109 Foster St., W ter. About $700,000 each. Noted Dec

★**Mass., Springfield**—Theatre—Jeff Co., 183 North Main St., let contract b ing 1 story, concrete, brick and steel, con. flooring, concrete foundation, on Main and Jefferson Sts., to E. J. P Inc., 374 Main St. About $75,000.

★**N. Y., Brooklyn**—Clubhouse—Y. M A., 189 Montague St., will build 8 s brick, steel and stone, concrete founda on South Rodney St. About $400,000 L. Rubinstein, pres. Work will be done day labor.

★**N. Y., Brooklyn**—Stores—J. Colyer St. Marks Ave., will build several 1 sto brick and steel stores brick foundation on plot 165 x 200 ft. on Eastern Parkwa and Bedford Ave. About $125,000. Wor will be done by day labor.

★**N. Y., Brooklyn** — Theatre — Sachs Realty & Import Co., 184 Floyd St., will build 1 story, 75 x 100 ft., brick and stone, brick foundation, on De Kalb and Central Aves. About $125,000. J. Sachs, pres. Work will be done by day labor.

★**N. Y., Liberty**—Hotel—M. Joelson, 932 Kelly St., New York City, will build 4 story, brick and stone, concrete foundation, in Catskill Mts., Sullivan Co., near here. About $75,000. Work will be done by day labor.

★**N. Y., New York**—Recreation Center—Bronx Jewish Center, c/o L. A. Abramson, archt., 48 West 46th St., will build 4 story, brick and steel, brick foundation. About $150,000. Work will be done by day labor under supervision of architect. Noted May 13.

★**N. Y., New York**—Synagogue—Beth Hamedrieth-Shaary Zion Inc., 752 Bway., will build brick and stone, brick foundation, on Marmion Ave. and 178th St. About $200,000. I. J. Levy, pres. Work will be done by day labor.

★**N. J., Atlantic City**—Fire House—City let contract building 3 story, brick and stone, brick foundation, to J. Beaumont, Atlantic City. About $250,000. Noted Nov 11.

★**N. J., Trenton**—School—Blessed Sacrament Church let contract building 3 story, 53 x 119 ft., brick, steel and stone, rock foundation, to J. A. Maher, Stuyvesant St. About $115,000. Noted Nov. 18.

★**Pa., Harrisburg**—Store and Office—Cotterrel—Ebner Co., 2nd and Locust Sts., let contract building 4 story, 50 x 90 ft., brick and steel, on North 2nd and Locust Sts., to Central Constr. Co., Market St. About $75,000; cost plus percentage basis.

★**Pa., Phila.**—Church—Sherwood United Presbyterian Church, c/o C. W. Bolton, archt., Witherspoon Bldg., let contract building 1 story, 60 x 100 ft., concrete and stone, on 56th and Willows Sts., to Turner Constr. Co., 1713 Sansom St. Cost to exceed $100,000. Noted July 22.

★**W. Va., Charleston**—Church—Ruffner Memorial Presbyterian Church let contract building 2 story, 70 x 72 ft., rein.-con. and steel, Bedford stone foundation, on Quarrier St., to Higginbottom & Knapp, Charleston Natl. Bank Bldg. About $100,000; cost plus percentage basis.

★**O., Cleveland**—Bank—Superior Natl. Savings & Trust Co., Kirby Bldg., let contract remodeling 1 story, brick, steel and marble, on West 6th and Superior Sts., to J. Gill & Son Co., Citizens Bldg. About $75,000.

★**O., Cleveland** — Commercial — Conelly Co., 1242 Superior Ave., let contract building 3 story, 60 x 75 ft., rein.-con., brick and steel, rein.-con. flooring, brick foundation, on East 12th St. and Superior Ave., to F. C. Kittinger Co., 1450 East 111th St. About $100,000.

★**O., Cleveland**—Commercial—S. Newman, 9112 Parkgate Ave., let contract building 1 story, 80 x 108 ft., brick and steel, brick foundation, on Hayden and Belmont Aves., to J. Miller, 2426 East 46th St. About $75,000.

★**O., Cleveland** — Commercial — G. Paul, Citizens Bldg., will build 2 story, 80 x 150 ft., brick and steel, brick foundation, on East 84th St. and Euclid Ave. About $85,000. Work will be done by day labor.

★**O., Cleveland**—Commercial, etc.—C. Webber let contract constructing 2 story, 40 x 56 ft., brick and steel commercial building and bakery, brick foundation, on West 25th St., to F. Dieffenback, 3217 West 92nd St. About $75,000.

Buildings (Continued)

★**Mich., Detroit** — Library — Library Comn., Library Bldg., let contract building 2 story, concrete, brick and steel, rein.-con. flooring, concrete foundation, on Waterman and Fort Sts., to W. Brown, c/o Stratton & Snyder, archts., Union Trust Bldg. About $75,000.

★**Mich., Detroit**—Mercantile—Frank & Seder, c/o Smith, Hinchman & Grylls, Archts., 710 Washington Arcade, let contract building 8 story, 60 x 100 ft. rein.-con., brick, steel and stone, on Woodward Ave., to Thompson Starret Co., Lincoln Bldg. Noted Oct. 28.

★**Mich., Marquette**—Hotel—Kawbawgam Hotel Co. let contract building 7 story, 60 x 124 ft. concrete, brick and steel, rein.-con. flooring, concrete foundation, on Front St., to W. G. Miller, Marquette. About $300,000.

★**Mich., River Rouge**—High School— Bd. Educ. c/o A. R. Heuer, let contract building 3 story, rein.-con., brick, steel and stone, rein.-con. flooring, concrete foundation, on Dearborn Rd., to Bryant & Detwiler, 2336 Dime Bank Bldg., Detroit. About $1,000,000.

★**Ill., Area** — Seminary — Catholic Archdiacesam of Chicago let contracts constructing 3 story, 160 x 200 ft. dormitory, 1 and 2 story, 100 x 100 ft. power house, 2 story, 57 x 160 ft. lecture hall, 1 story, 80 x 80 ft. and 42 x 100 ft. refectory, 2 story, 60 x 100 ft. warehouse, 2 story, 96 x 136 ft. convent hall, all rein.-con., to Thompson-Starrett Co., 175 West Jackson Blvd., Chicago. Future additions will comprise dormitory and faculty house, administration building, library, auditorium, gymnasium, laundry, greenhouse and garage. There will also be 60 x 140 ft. rein.-con. church, cost $500,000. All buildings when completed will cost about $10,000,000. J. W. McCarthy, 139 North Clark St., Chicago, archt.

★**Wis., Oconomowoc**—Theatre—Oconomowoc Theatre Co. let contract building 2 story, 70 x 115 ft., concrete and brick, rein.-con. flooring, concrete foundation, to J. L. Stanage, 144 Oneida St., Milwaukee. About $75,000.

★**Minn., Minneapolis**—Theatre—M. Beck, 1564 Bway., New York City, let contract building 40 x 140 ft. and 115 x 180 ft. rein.-con., brick and steel, rein.-con. flooring, concrete foundation, on 9th and Hennepin Aves., here, to Thompson-Starrett Co., 175 West Jackson Blvd., Chicago. About $600,000. Noted Oct. 28.

★**Minn., Wayzata**—School—Bd. Educ. let contract building 1 story, 200 x 200 ft., concrete slab, stucco and tile, to Madsen Constr. Co., 848 Builders Exch. Bldg., Minneapolis. $134,915. Noted Aug. 26.

★**Kan., Eldorado**—Memorial Auditorium —City let contract building 1 story, 67 x 137 ft., to Dillenbeck & McGlade, Eldorado. About $63,500. Noted Nov. 18.

★**S. D., Mitchell** — Auditorium — City let contract building 1 story, 142 x 192 ft. rein.-con., brick and steel, on North Main St. and 6th Ave., to Sugarman Bros., 210 Masonic Temple, Des Moines, Ia., $140,450. Noted Nov. 18.

★**Tex., Dallas**—High School—Bd. Educ., Municipal Bldg., let contract building 3 story, concrete and brick, rein.-con. flooring, brick and concrete foundation, on Haskell and McKinney Sts., to Amer. Constr. Co., 411 Gulf Bldg., Houston, about $648,000. Noted Sept. 23.

★**Okla., Shawnee** — High School — Bd. Educ. let contract building 3 story, 75 x 170 ft., rein.-con., brick and steel, rein.-con. flooring, concrete foundation, to G. P. Carr, 116 North Bell St., Shawnee. About $250,000. Noted July 1.

★**Utah, Salt Lake City**—Bathhouse—City let contract building 2 story, concrete, on 2nd Ave., to Lynch-Cannon Eng. Co., Dooly Bldg., $177,450.

★**Utah, Salt Lake City**—High School—Bd. Educ. let contract building 2 story, addition to Technical High School, brick and concrete, on 4th Ave. W., to F. W. Carpenter, 234 North Main St., $75,613.

★**Wash., Seattle**—Fire Station—City let contract building 2 story, 120 x 180 ft., rein.-con., rein.-con. flooring, on 4th and Bell Sts., to Hendrickson & Alstrom, 12th and East Union Sts., $156,313. Noted Dec. 2.

★**Col., Johnstown** — High School — Bd. Educ. let general contract building 2 story, 140 x 140 ft., rein.-con., brick and steel, rein.-con. flooring, concrete foundation, to W. Tamminga, 1620 South Washington St., Denver. About $82,000. Noted Nov. 11.

★**Cal., Los Angeles** — Bank — Bank of Italy, 660 South Bway., let contract building rein.-con., terra cotta, granite, and brick, concrete foundation, to Pozzo Constr. Co., 421 Macy St. About $125,000.

★**Cal., Los Angeles** — Hotel — Theatre — Ambassador Hotel Co., c/o Alexandria Hotel, 210 West 5th St., let contract building hotel, theatre and garage, to W. Crowell, 920 Alvarado St. About $350,000.

★**B. C., Victoria**—Theatre—British Columbia Paramount Theatres Ltd., 963 Granville St., Vancouver, let contract building 2 story, 60 x 143 ft. rein.-con., brick and steel concrete foundation, on Yates and Blanchard Sts., to Luney Bros., Ltd., 508 Sayward Bldg. About $175,000. Noted Oct. 7.

★**Mexico, Saltillo** — College — Methodist Episcopal Church let contract building 3 story, 60 x 200 ft. rein.-con., brick, stone, to Falbo & Marro, San Antonio, Tex., $120,073.

Federal Government Work

PROPOSED WORK

N. Y., New York—Roofing—Spec. 4347—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans roofing Building 120. About $21,000.

Ga., Tybee Island—Quarters, etc., Spec. 4344—Bureau Yards & Docks, Navy Dept., Wash., D.C., plans to construct 2 frame buildings, at Naval Radio Compass Station, here.

Mich., Detroit—Dredging—U. S. Eng. Dept., Post Office Bldg., having estimates made for hydraulic dredging to establish minimum depth of 18 ft., in vicinity of Bridges, River Rouge Project.

Tex., Galveston — Redredging — U. S. Engineer, War Dept., Wash., D. C., rejected bids received Nov. 24, redredging Galveston Channel. Noted Nov. 4.

Wash., Ocean Park—Radio Compass Building—Spec. 4349—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans to construct, here.

Wash., Westport—Quarters and Remodeling Barracks—Spec. 4350—Bureau Yards & Docks, Navy Dept., Wash, D. C., plans to build quarters and remodel barracks, here.

Ore., Astoria—Radio Building—Spec. 4351—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans to construct, here. About $21,000.

Cal., Mare Island—Foundations and Paving—Spec. 4345—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans, here.

Cal., Mare Island—Scrap Metal Bins—Spec. 4346—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans to build bins for scrap metal. About $40,000.

BIDS DESIRED

Me., Bar Harbor—Fire Protection System —Spec. 4339—Until Dec. 29, by Bureau Yards & Docks, Navy Dept., Wash., D.C., installing at Naval Radio Station, Otter Cliff, here. $10 deposit required for plans and spec. Noted Dec. 2.

N. Y., Brooklyn—Raising Floors—Until Dec. 29, by Treas. Dept., Wash., D.C., raising floors in Annex Building of Post Office, here. J. A. Wetmore, superv. archt.

N. Y., New York City — Post Office — Treas. Dept., Wash., D. C., having plans prepared by L. V. V. Sweezy, archt. and engr., Bible House, for 8 story, 140 x 240 ft., brick and steel, rein.-con. flooring, concrete foundation, at 34-50 Varick St., here. About $800,000.

N. Y., New York—Dredging—Until Jan. 17, by U. S. Engineer, 616 Army Bldg., dredging in Passaic River, N. J.; advertised in this issue.

D. C., Wash.—Concrete Roads, etc.—Spec. 4336—Until Jan. 5, by Bureau Yards & Docks, Navy Dept., Wash., D. C., building concrete roads, retaining wall, drainage system and electric duct system, here. Noted June 24.

Va., Norfolk—Steam Heating System—Until Dec. 29, by U. S. Engineer, Custom House, furnishing labor and material installing in office-storehouse building, at Ft. Story, here; advertised in this issue.

W. Va., South Charleston—Sub-station for Switchboard—Spec. 4308—Until Dec. 29, by Bureau Yards & Docks, Navy Dept., Wash., D. C., installing, here. Noted Oct. 14th.

La., New Orleans—Fire Service Mains—Until Jan. 7, by Treas. Dept., Wash., D. C., installing at U. S. Marine Hospital, here. J. A. Wetmore, acting superv. archt.

Wash., Puget Sound—Electric Traveling Bridge Crane—Spec. 4326—Until Jan. 12, by Bureau Yards & Docks, Navy Dept., Wash., D. C., building 5 ton electric traveling crane, here. Noted Nov. 4.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**N. Y., Brooklyn**—Refrigerator—Spec. 4282—Bureau Yards & Docks, Navy Dept., Wash., D. C., let contract installing in Building "F", here, to L. Mundet & Son, Inc., 24 Stone St., New York City, $12,820 (90 days). Noted Dec. 2.

★**Pa., Hog Island**—Radio Compass Building—Spec. 4324—Bureau Yards & Docks, Navy Dept., Wash., D. C., let contract constructing, here, to J. H. Pierce, 529 Law Bldg., Norfolk, $30,665 (90 days). Noted Nov. 4.

★**Pa., Phila.**—Marine Hospital—Treas. Dept., Wash., D. C., let contract building 2 story extension to Marine Hospital, here, to F. A. Foster Co. 43 South 17th St., $11,900. Noted Oct. 21.

Pa., Phila—Roofing and Repainting, etc.—Treas. Dept., Wash., D. C., received bids Dec. 10, (1) roofing, (2) repainting brick work, in U. S. Mint, here, from F. A. Foster Co., Harrison Bldg., (1) $16,390; J. P. Sullivan Co., Chicago, Ill., (1) $16,970, (2) $1,900; Nelson Pedley Constr. Co., Phila., (1) $18,724, (2) $4,669. Noted Nov. 25.

D. C., Wash.—Smoke Stack—Treas. Dept. received bids Dec. 6, building smoke stack for boiler house of U. S. Pub. Serv. Hospital 32, Mt. Alto, from Weber Chimney Co., Chicago, $5,570; Rust Eng. Co., Dist. Bank Bldg., $7,080; Heine Chimney Co., 123 West Madison St., Chicago, $11,250. Noted Nov. 25.

★**Va., Norfolk**—Steam Distributing System—Spec. 4255—Bureau Yards & Docks, Navy Dept., Wash., D. C., let contract installing steam and hot water mains, here, to N. Clifford Co., Inc., 322-28th St., Newport News, $37,943 (120 days). Noted Dec. 9.

★**Va., Virginia Beach**—Radio Compass Building—Spec. 4321—Bureau Yards & Docks, Navy Dept., Wash, D. C., let contract constructing, here, to H. M. Lucas, 115 Maple St., Portsmouth, $2,450 (45 days). Noted Nov. 4.

★**W. Va., South Charleston**—Distributing System—Spec. 4294—Bureau Yards & Docks, Navy Dept., Wash., D. C., let contract installing, here, to Genl. Electric Co., River Rd., Schenectady, N. Y., $14,565 (175 days). Noted Nov. 25.

★**N. C., Cape Hatteras**—Radio Compass Building—Spex. 4323—Bureau Yards & Docks, Navy Dept., Wash., D. C., let contract constructing, here, to Donnell-Zane Co., Inc., 350 Broad St., New York City, $20,565 (100 days.) Noted Nov. 4.

★**N. C., Cape Lookout**—Radio Compass Building—Spec. 4320—Bureau Yards & Docks, Navy Dept., Wash., D. C., let contract constructing, here, to Donnell-Zane, 350 Broad St., New York City, $13,865 (60 days). Noted Nov. 4.

★**N C, Poyners Hill**—Radio Compass Building—Spec. 4322—Bureau Yards & Docks, Navy Dept., Wash., D. C., let contract constructing, here, to Donnell-Zane Co., 350 Broad St., New York City, $11,802 (60 days). Noted Nov. 4.

S. C., Spartanburg—Mailing Vestibule, etc.—Treas. Dept., Wash., D. C., received bids Dec. 6, building new mailing vestibule, extending driveway, etc., in Post Office, here, from G. A. Clayton Co, Gould Bldg., Atlanta, Ga., $5,971 (90 days); C. E. Morrill, Jr., Greenville, N. C., $6,983 (120 days); G. E. Wright, Chicago, $8,270. Noted Nov. 18.

★**Fla., Pensacola**—Mooring Mast—Spec. 4314—Bureau Yards & Docks, Navy Dept., Wash., D. C., let contract building, here, to Carroll Electric Co., 714-12th St., N. W., Wash., D. C., $7,470 (90 days). Noted Dec. 2.

★**Tenn., Chattanooga**—Cement—U. S. Engineer, War Dept., Wash., D. C., let contract furnishing 6,000 bbl. Amer. Portland cement, here, to Dixie Portland Cement Co., James Bldg., $24,240.

★**O., Akron**—Extending Mailing Vestibule—Treas. Dept., Wash., D. C., let contract extending in Post Office, here, to J. Devault, Massillon Rd., Canton, $14,531. Noted Nov. 25.

★**O., Dayton**—Barracks—U. S. Army Natl. Military Home let contract constructing several barracks buildings, brick, concrete foundation, 2 of which will be 3 story, 75 x 200 ft., to Danis-Hunt Constr. Co., 907 Schwind Bldg., $95,936. Noted Aug. 12.

O., Cincinnati—Magnesite Floors, etc.—Until Dec. 27, by Treas. Dept., Wash., D. C.,

Federal Government Work (Continued)

building new magnesite floors and base, at U. S. Marine Hospital, here. J. A. Wetmore, acting superv. archt.

★**Ind., Ft. Wayne**—Mezzanine Floor, etc.—Treas. Dept., Wash., D. C., let contract building in Post Office, here, to G. E. Wright, Inc., Chicago, Ill., $5,750. Noted Dec. 9.

Mich., Battle Creek—Mailing Vestibule, etc.—Treas. Dept., Wash., D. C., received bids Dec. 10, building in Post Office, here, from A. L. Weddel, 212 McCamly Bldg., $3,910; W. Mac Donald Constr. Co., Odd Fellows Bldg., St. Louis, Mo., $5,933; G. E. Wright, Inc., Chicago, Ill., $6,450. Noted Nov. 25.

★**Mich., Kalamazoo**—Remodeling Post Office, etc.—Treas. Dept., Wash., D. C., let contract remodeling and building mailing vestibule, in Post Office, here, from W. MacDonald Constr. Co., Odd Fellows Bldg., St. Louis, Mo., $16,931; G. E. Wright, Inc., Chicago, Ill., $17,850; De Right Bros., Kalamazoo, $18,200. Noted Nov. 25.

Tex., Galveston—Surface Drainage System—Treas. Dept., Wash., D. C., received only bid building at U. S. Quarantine Station, here, from King Lumber Co., Charlottesville, Va., $71,800. Noted Nov. 18.

★**Cal., Sacramento**—Remodeling Post Office and Court House—Treas. Dept., Wash., D. C., let contract remodeling, here, to Hilliard & Pearce, 692 Washington St., New York City, $43,689. Noted Nov. 25.

★**Cal., San Diego**—Quartermasters Storehouse—Spec. 4280—Pub. Wks. Officer, here, let contract building at Marine Barracks, Naval Base, here to Lang & Bergstrom, Timken Bldg., $211,346 (240 days). Noted Dec. 2.

Miscellaneous

PROPOSED WORK

Heating and Ventilating Equipment—Long Island City, N. Y.—C. B. J. Snyder, supt. School Bldg., Municipal Bldg., New York City, rejected bids received Oct. 18, installing heating and ventilating equipment in Bryant High School, on Wilbur Ave. between Acadamy and Radde Sts., here. Work will be readvertised. Noted Oct. 14.

Cement—New York, N. Y.—H. H. Curran, pres. Manhattan Boro, rejected bids received Nov. 18, furnishing and delivering 3,000 bags Portland cement. Noted Nov. 25th.

Station Finish—New York, N. Y.—Pub. Serv. Comn., 49 Lafayette St., rejected bids received Nov. 1, for miscellaneous construction and station finish. About $18,000. Work will be readvertised. Noted Nov. 11.

Transmission System—Salem, O.—Salem Lighting Co. having plans prepared for 12 mi. transmission system. Day & Zimmerman, 611 Chestnut St., Phila., Pa., engrs.

Road Machinery—Durand, Wis.—Pepin Co. appropriated $2,000 to purchase road machinery for 1921. G. A. Goss, comr.

Tractor and Truck—Florence, Wis.—Florence Co. plans to purchase tractor and large truck. O. F. Soderberg, comr.

Rock Crushing Outfit — Manitowoc, Wis.—City plans to purchase rock crushing outfit and street flusher. A. Zander, clk.

Road Machinery—Monroe, Wis.—Green Co. appropriated $35,000 to purchase road machinery. C. J. Smith, comr.

Paving Outfit—Racine, Wis.—Racine Co. appropriated $25,000 to purchase complete concrete paving outfit. W. O. Thomas, Court House, comr.

Equipment for Gravel Pits—Sheboygan, Wis.—Sheboygan Co. appropriated $50,000 to purchase equipment for gravel pits. G. W. Ubbelohde, comr.

Compus Improvements—Sioux Falls, S. D.—Sioux Falls College, South Waits St., having plans prepared improving campus, locating walks, drives, athletic fields, etc. About $15,000. C. H. Ramsdell, 46 Barton Ave., S. E., Minneapolis, Minn., engrs.

Grain Elevator — Allenton, Mo. — G. R. Skinner, agt. St. Louis Co. Farm Bureau, (Clayton), opens bids about Jan. 15, building concrete grain elevator, 5 bin capacity. About $50,000.

Grain Elevator—Black Jack, Mo.—G. R. Skinner, agt. St. Louis Co. Farm Bureau, (Clayton), opens bids about Jan. 15, building concrete grain elevator, 5 bin capacity. About $50,000.

Grain Elevator—Bridgeton, Mo.—G. R. Skinner, agt. St. Louis Co. Farm Bureau, (Clayton), opens bids about Jan. 15, building concrete grain elevator, 5 bin capacity. About $50,000.

Grain Elevator—Chesterfield, Mo.—G. R. Skinner, agt. St. Louis Co. Farm Bureau, (Clayton), opens bids about Jan. 15, building concrete grain elevator, 5 bin capacity. About $50,000.

Grain Elevator—Valley Park, Mo.—G. R. Skinner, agt. St. Louis Co. Farm Bureau, (Clayton), opens bids about Jan. 15, building concrete grain elevator, 5 bin capacity. About $50,000.

Dam, etc.—Wellington, Col.—Wellington Reservoir Co., Brighton, rejected bids raising dam and building 4 ditches, etc. Work will be readvertised. Noted Nov. 25.

Ornamental Casings—Salt Lake City, Utah—City soon receives bids furnishing 56 c. i. ornamental casings for existing poles, 21 ft. high, each pole to have 3 lights, for Lighting Dist. 6, cost $43,230; 14 c. i. ornamental poles carrying trolley wires and 3 arc lights, for Lighting Dist. 8, $19,000; 42 c. i. ornamental casings for present poles, 21 ft. high, carrying trolley wires and 3 lights, for Lighting Dist. 7, $32,420. S. Q. Cannon, C. & C. Bldg., engr.

Tunnel — Los Angeles, Cal. — Bd. Pub. Wks. having plans prepared by A. C. Hansen, city engr., for pedestrian tunnel, directly under present 3rd St. tunnel. Work involves excavation of subway, cost, $100,000; concrete construction $90,000; white tile lining, $116,000; ventilating plant, $7,000; total cost, $314,000.

Tanks—College Bridge, N. B.—Acadia Oil & Shale Co., Ltd., plans to erect tanks here. About $30,000.

Electric Locomotive, Car Barns, etc.—London, Ont.—London Ry. Comn. plans to purchase electric locomotive, stem shovels and rails for year of 1921, also erect car barn, freight shed, coal slip ferry and overhead crossings. About $275,000. H. A. Brazier, city engr.

Lighting System — London, Ont.— Pub. Utilities Comn. plans to expend $125,000 on extensions and additions to electric light distribution system. Work includes poles, wire, tunnels, cables, etc. About $125,000. E. V. Buchanan, Hydro Bldg., engr.

Road Machinery — Ottawa, Ont. — Bd. Control plans to purchase road machinery. About $10,000. A. F. Macallum, city engr.

Gas Mains—St. Thomas, Ont.—City receives bids about Jan. 15, extending gas mains and purchasing new coal unloader. About $50,000. W. B. Doherty, City Hall, engr.

BIDS DESIRED

Fan, Motor, Heaters, etc.—Dannemora, N. Y.—Until Jan. 5, by J. R. Ross, medical supt., Dannemora State Hospital, for fan, motor, heaters, etc., for northwest wing, Ward Bldg. "D"; advertised in this issue.

Gasoline, Coal and Retaining Wall—New York, N. Y.—Until Dec. 22, by H. Bruckner, pres. Bronx Boro, Municipal Bldg., Crotona Park, Tremont and 3rd Aves., (1) furnishing and delivering 6,000 gal motor gasoline, (2) white ash anthracite coal, (3) rebuilding retaining wall in connection with regulating, grading, setting curbstones, flagging sidewalks laying crosswalks, building approaches and erecting fences where necessary in Adams St. from Morris Park Ave. to New York, New Haven and Hartford R.R.

Wood Paving Blocks—New York, N. Y.—Until Dec. 23, by Bd. Purch., Room 526, Municipal Bldg., furnishing and delivering wood paving blocks to Dept, Plant & Structures.

Hot Water Mains—Randalls Island (New York, P. O.), N. Y.— Until Dec. 24, by Dept. Pub. Welfare, Municipal Bldg., New York City, furnishing, delivering and installing new hot water mains and other appurtenances at New York City Children's Hospital, here. B. S. Coler, comr.

Pavilions—Randalls Island (New York, P. O.), N. Y.—Until Dec. 21, by Dept. Pub. Welfare, Municipal Bldg, New York City, furnishing labor and material for alterations and repairs to St Giles and Dix Pavilions, here. B. S. Coler, comr.

Pavilions—Randalls Island (New York, P. O.), N. Y.—Until Dec. 20, by Comr. Pub. Welfare, Municipal Bldg., New York City, altering Tredgold and Nightingale Pavilions, here. Former bids rejected. Noted Oct. 28.

Fender Rack and Ice Breakers—Perth Amboy, N. J.—Until Jan. 5, by State Highway Comn., Trenton, for fender rack and ice breakers at Old Amboy Bridge, on State Highway Route 4, from Perth Amboy to South Amboy, location in municipa... of Perth Amboy and South Amboy, Mi... sex Co. A. L. Grover, ch. clk.; adver... in this issue.

Grease—Wash., D. C.—Until Dec. 28, Dist. Comrs., 509 Dist. Bldg., for purch... of grease. J. T. Hendrick, comr.; ad... tised in this issue.

Engine and Pump — Okeechobee, Fla.—Until Jan. 18, by W. W. Dunnicliff, ... clk., for one engine and pump compl... advertised in this issue.

Bricks—Tampa, Fla.—City receiving ... furnishing 200,000 vitr. bricks. About $1... 000. R. D. Martin, city engr.

Graders, etc.—Lancaster, Wis.—Until Dec. 21, by H. Mink, highway comr. Gra... Co., furnishing graders, drags and scrapers. Noted Nov. 25, under "Road Machinery."

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Foundation — Brockton, Mass.** — Baker Realty Co., Belmont Ave., let contract building foundation for 1 story, 120 x 240 ft., mill construction plant, on North Montello St., to Powers Bros., 163 North Montello St. About $15,000.

★**Refined Asphalt, Birder Stone, etc.—Brooklyn, N. Y.**—E. Riegelmann, boro pres., let contract furnishing and delivering 100,000 gal. refined asphalt, to Warner-Quinlan Co., 79 Wall St., New York City, $9,730; 1,700 cu.yd. binder stone, to Calvin-Thompskin Co., $4,658; 1000, cu.yd. gravel, to Washington & Bulkley, $3,350. Noted Dec. 9.

Electric Equipment—New York, N. Y.—Bd. Educ., 500 Park Ave., received bids Dec. 7, installing electric equipment in P. S. 62, from T. F. Jackson, Inc., 99 John St., $45,857; Jandous Electric Equipment Co., 109 West 31st St., $46,138; Crocker-Wheeler Co., 30 Church St., $47,000.

★**Enclosures — New York, N. Y.** — Pub. Serv. Comn., 49 Lafayette St., let contract building inspection shed enclosures in 180th St. Yard, Route 18, to S. S. Jones, 473 West 158th St., $358,565. Noted Dec. 2.

Equipment—New York, N. Y.—M. Hulbert, comn. docks, Pier "A", ft. Battery Pl., North River, received bids Dec. 9, furnishing and installing freight handling equipment on pier at foot of East 5th St. East River, (a), cargo beams and fittings, (b) electric work, (c) winches, from Vulcan Rail Constr. Co., (a) $13,450; Jobson-Gifford Co., 30 East 42nd St. (a) $15,300; Associated Contg. Co., (a) $13,480; T. F. Jackson, Inc., 99 John St., (b) $2,674; Jandous Electric Equipment Co., 109 West 31st St., (b) $2,770; Lenher Eng. Co., 95 Liberty St., (c) $14,212; R. E. Brooks Co., (c) $14,300; Natl. Hoist Eng. Co., (c) $15,300. All bids on (c) informal. Noted Dec. 2.

Ferryboat — New York, N. Y. — G. A. Whalen, comr. Plant & Structures, Municipal Bldg., received bids Dec. 9, building screw ferryboat, from U. S. Steamship Corp., 50 Broad St., $789,500; S. I. Shipbuilders, $795,300. Noted Dec. 2.

★**Gasoline, Paving Grits, etc.—New York, N. Y.**—H. H. Curran, pres. Manhattan Boro., let contract furnishing and delivering 8,000 gal. gasoline and 100,000 gal. refined asphalt, to Standard Oil Co., 26 Bway., $2,480 and $10,220 respectively; 400 cu.yd. paving grits, to G. Eaton, 231 Pearl St., Brooklyn, $1,600; 2,400 cu.yd. binder stone, to New York Trap Rock Co., 101 Park Ave., $6,000; 30,000 granite paving blocks, to J. Meehan & Son, 74 Cort St., $4,125; 5 motor trucks, to Herman Motor Truck Corp., $13,725. Noted Nov. 25.

★**Foundation, etc.—Detroit, Mich.**—Fire Comn., Larned St., let contract building rein.-con. foundation for high pressure pumping station, to Bryant & Detwiller Co., 2336 Dime Bank Bldg., $83,505. Noted Dec. 9.

★**Wharf — Detroit, Mich.** — City Fire Comn., Larned St., and Pub. Wks. let contract building 335 ft. rein.-con. top wharf, to A. J. Dupuis & Co., 1022 Ford Bldg., $160,889. Noted Dec. 9.

★**Tunnel and Fabricating Machinery, etc.—Wellington, Col.**—Wellington Reservoir Co., Brighton, let contract building outlet tunnel, to N. I. Jacobsen, 429 Maxwell St., Boulder, $35,000; furnishing fabricating machinery, valves, operating mechanisms, etc., to Vulcan Iron Wks., 1400 West Colfax Ave., Denver, $8,000. Noted Nov. 25.

★**Foundation and Vault—Los Angeles, Cal.**—Security Trust and Savings Bank, 502 South Spring St., let contract constructing 94 x 104 ft. rein.-con. foundation and vault, to E. C. Eriglish, Citizens Bank Bldg., $42,768.